

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063212.D
 Acq On : 3 Sep 2020 12:00
 Operator : JC/MD
 Sample : VN0903WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Quant Time: Sep 04 04:03:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	365854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	671985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	616060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	280404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	290087	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.55	113	211638	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.06	98	800355	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.38	95	279620	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64342	17.858	ug/l	100
3) Chloromethane	2.04	50	88117	16.795	ug/l	99
4) Vinyl Chloride	2.17	62	104091	17.961	ug/l	97
5) Bromomethane	2.54	94	96974	19.878	ug/l	98
6) Chloroethane	2.68	64	88224	19.146	ug/l	99
7) Trichlorofluoromethane	2.98	101	160421	17.559	ug/l	96
8) Diethyl Ether	3.37	74	50431	18.187	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	73909	18.762	ug/l	98
10) Methyl Iodide	3.91	142	89527	16.664	ug/l #	94
11) Tert butyl alcohol	4.73	59	72456	98.697	ug/l	99
12) 1,1-Dichloroethene	3.70	96	70486	17.560	ug/l	94
13) Acrolein	3.57	56	18384	77.397	ug/l	92
14) Allyl chloride	4.27	41	131155	18.398	ug/l	97
15) Acrylonitrile	4.93	53	189716	93.775	ug/l	99
16) Acetone	3.77	43	161414	94.942	ug/l	100
17) Carbon Disulfide	4.01	76	201029	16.826	ug/l	100
18) Methyl Acetate	4.28	43	91278	20.939	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	274005	18.401	ug/l	98
20) Methylene Chloride	4.50	84	90663	18.657	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	81896	18.467	ug/l	94
22) Diisopropyl ether	5.90	45	293562	18.376	ug/l	95
23) Vinyl Acetate	5.84	43	1189828	93.343	ug/l	100
24) 1,1-Dichloroethane	5.80	63	161872	18.380	ug/l	97
25) 2-Butanone	6.78	43	267279	101.531	ug/l	98
26) 2,2-Dichloropropane	6.78	77	139378	17.468	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	97796	18.143	ug/l	98
28) Bromochloromethane	7.15	49	83561	18.161	ug/l	98
29) Tetrahydrofuran	7.16	42	173593	95.368	ug/l	98
30) Chloroform	7.33	83	168165	18.251	ug/l	97
31) Cyclohexane	7.61	56	140430	16.935	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	145253	18.294	ug/l	98
36) 1,1-Dichloropropene	7.75	75	119629	18.518	ug/l	99
37) Ethyl Acetate	6.88	43	114017	18.929	ug/l #	95
38) Carbon Tetrachloride	7.73	117	124078	18.939	ug/l	94

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	131763	18.156	ug/l	96
40) Benzene	8.00	78	359422	18.933	ug/l	98
41) Methacrylonitrile	7.16	41	164990	60.625	ug/l #	34
42) 1,2-Dichloroethane	8.08	62	136424	19.238	ug/l	96
43) Isopropyl Acetate	8.12	43	207541	19.699	ug/l #	90
44) Trichloroethene	8.80	130	93180	20.236	ug/l	100
45) 1,2-Dichloropropane	9.08	63	95232	18.947	ug/l	97
46) Dibromomethane	9.18	93	65808	19.757	ug/l	98
47) Bromodichloromethane	9.37	83	137669	19.282	ug/l	97
48) Methyl methacrylate	9.16	41	93502	19.687	ug/l	96
49) 1,4-Dioxane	9.17	88	30399	413.819	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	596387	104.171	ug/l	100
52) Toluene	10.12	92	225810	19.095	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	142115	18.197	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	154688	18.869	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	91232	20.144	ug/l	96
56) Ethyl methacrylate	10.40	69	130469	18.930	ug/l	99
57) 1,3-Dichloropropane	10.68	76	154693	19.173	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	325446	91.184	ug/l	100
59) 2-Hexanone	10.72	43	432304	107.445	ug/l	98
60) Dibromochloromethane	10.87	129	97830	19.538	ug/l	96
61) 1,2-Dibromoethane	10.98	107	91471	19.429	ug/l	95
64) Tetrachloroethene	10.60	164	96335	21.776	ug/l	95
65) Chlorobenzene	11.41	112	236405	19.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	86868	18.856	ug/l	97
67) Ethyl Benzene	11.49	91	441187	19.490	ug/l	99
68) m/p-Xylenes	11.59	106	323604	38.599	ug/l	97
69) o-Xylene	11.92	106	155842	19.242	ug/l	98
70) Styrene	11.94	104	262215	18.839	ug/l	100
71) Bromoform	12.10	173	57763	18.476	ug/l #	99
73) Isopropylbenzene	12.23	105	420183	19.537	ug/l	99
74) N-amyl acetate	12.05	43	166555	18.696	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	121101	19.531	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	162708	29.533	ug/l #	100
77) Bromobenzene	12.50	156	95761	19.688	ug/l	96
78) n-propylbenzene	12.57	91	488540	19.631	ug/l	99
79) 2-Chlorotoluene	12.65	91	282157	18.929	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	352867	19.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	40946	17.963	ug/l	98
82) 4-Chlorotoluene	12.75	91	297994	19.276	ug/l	100
83) tert-Butylbenzene	12.97	119	283499	18.466	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	355430	19.698	ug/l	98
85) sec-Butylbenzene	13.15	105	394691	19.726	ug/l	99
86) p-Isopropyltoluene	13.26	119	349280	19.662	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	174548	19.535	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	176333	19.059	ug/l	99
89) n-Butylbenzene	13.59	91	322159	19.630	ug/l	99
90) Hexachloroethane	13.85	117	55681	16.932	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	174363	20.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25092	18.407	ug/l	96

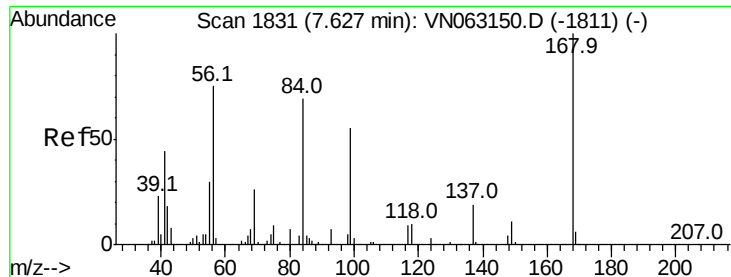
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
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Quant Time: Sep 04 04:03:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	92963	19.190	ug/l	100
94) Hexachlorobutadiene	14.98	225	35261	19.484	ug/l	95
95) Naphthalene	15.10	128	295171	18.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	92559	19.611	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

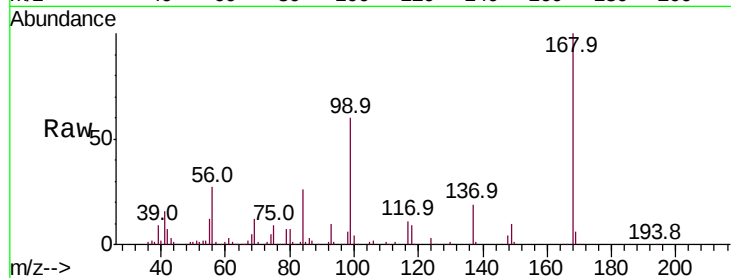
VN0903WBSD01

Tot Ion:168 Resp: 365854

Ion Ratio Lower Upper

168 100

99 59.2 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

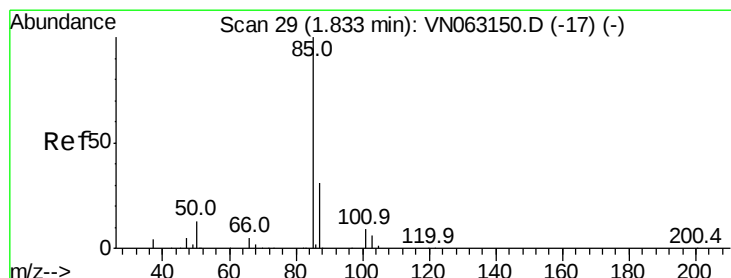
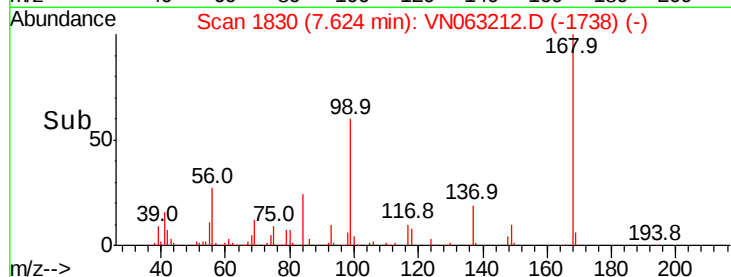
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.858 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063212.D

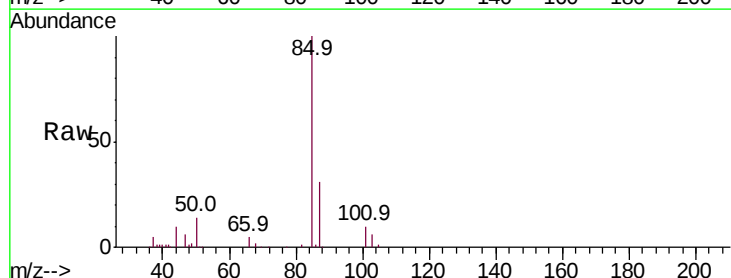
Acq: 3 Sep 2020 12:00

Tgt Ion: 85 Resp: 64342

Ion Ratio Lower Upper

85 100

87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

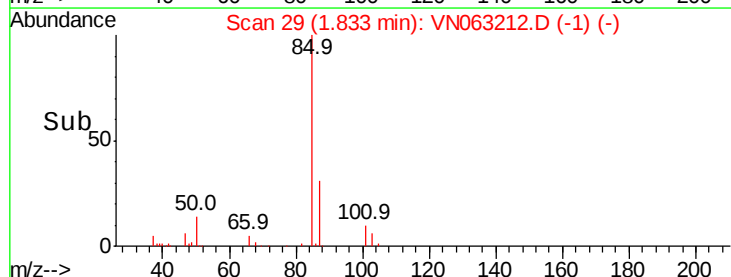
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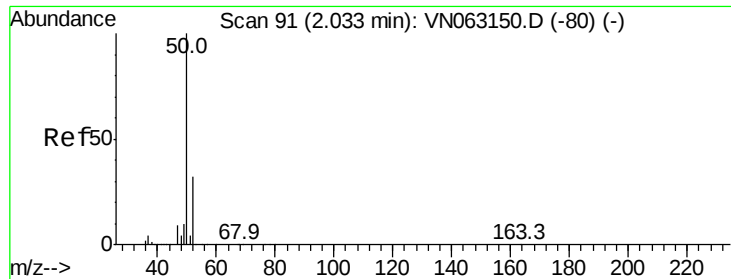
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.795 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

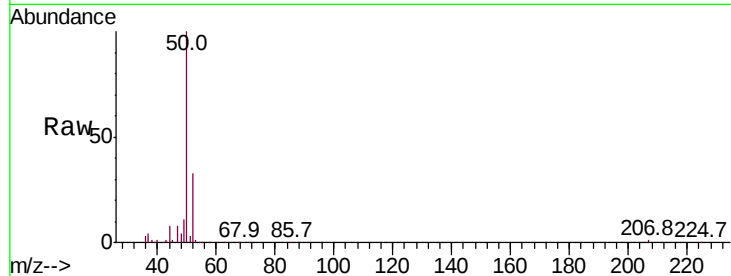
VN0903WBSD01

Tot Ion: 50 Resp: 88117

Ion Ratio Lower Upper

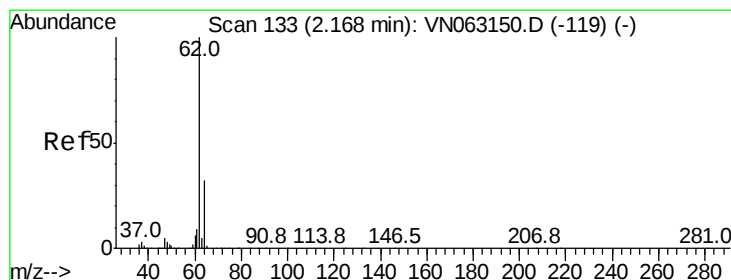
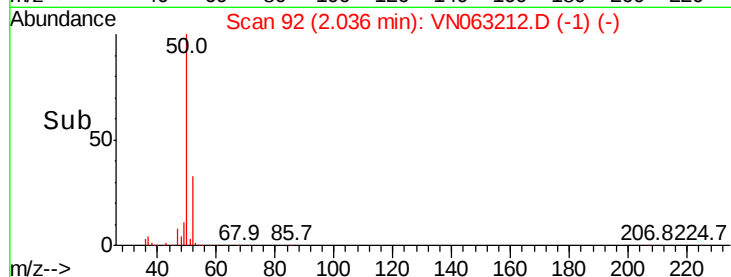
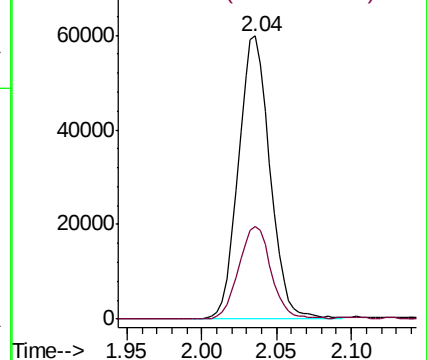
50 100

52 32.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.961 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063212.D

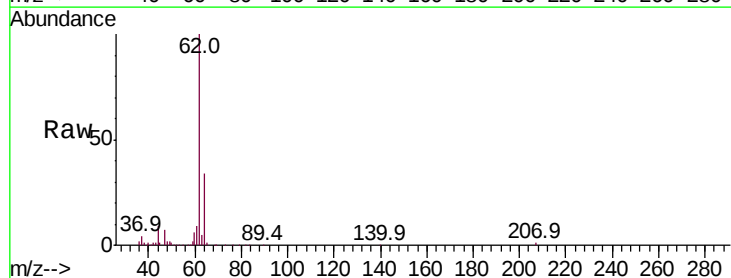
Acq: 3 Sep 2020 12:00

Tgt Ion: 62 Resp: 104091

Ion Ratio Lower Upper

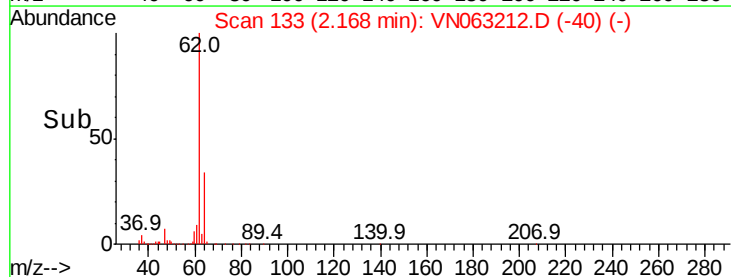
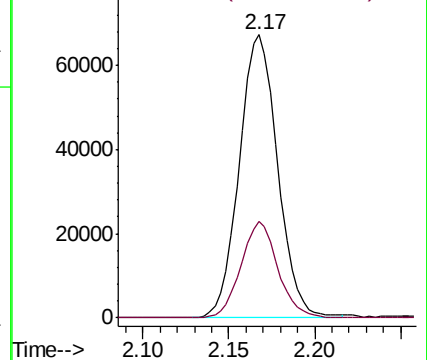
62 100

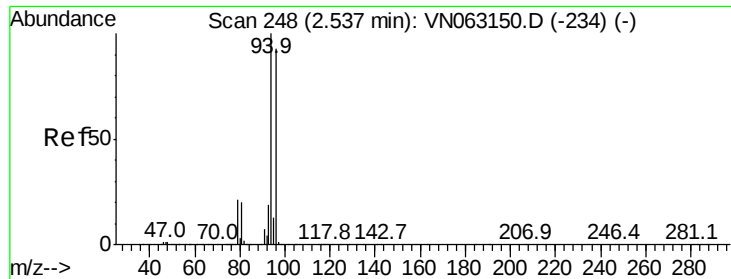
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.878 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

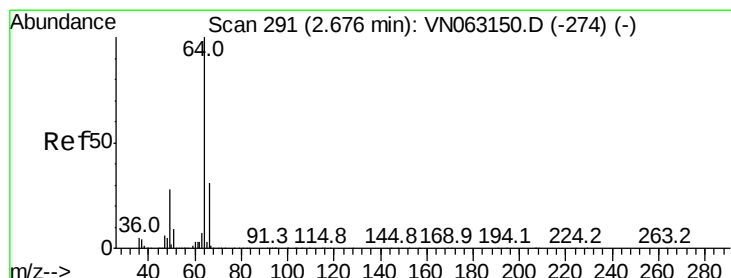
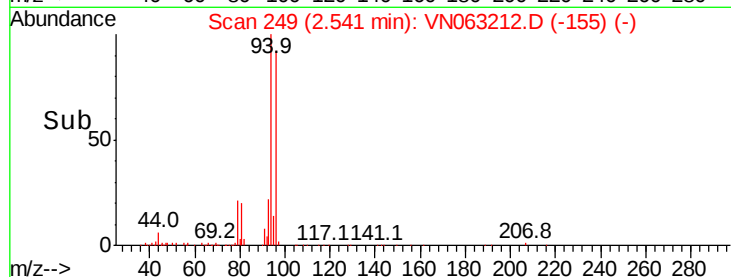
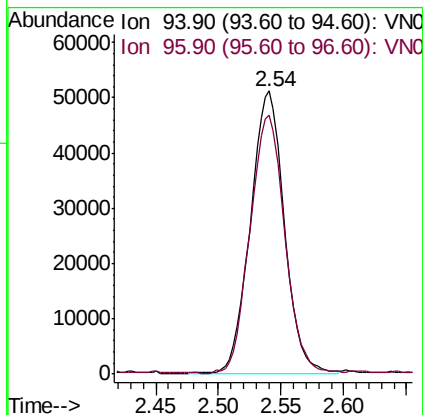
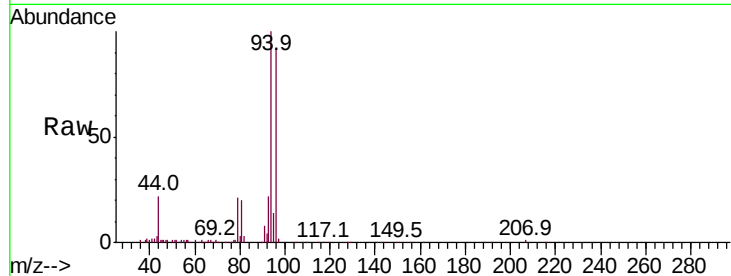
VN0903WBSD01

Tot Ion: 94 Resp: 96974

Ion Ratio Lower Upper

94 100

96 90.7 74.4 111.6



#6

Chloroethane

Concen: 19.146 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063212.D

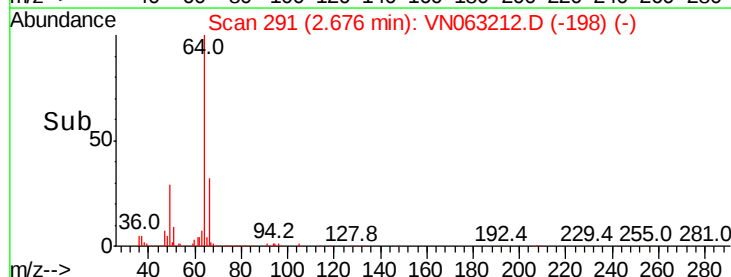
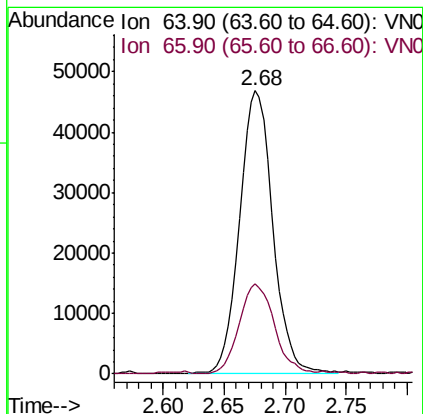
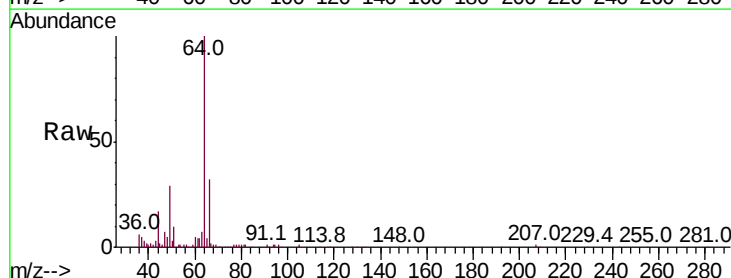
Acq: 3 Sep 2020 12:00

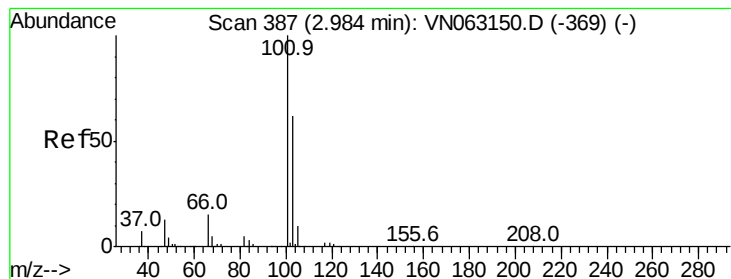
Tgt Ion: 64 Resp: 88224

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1



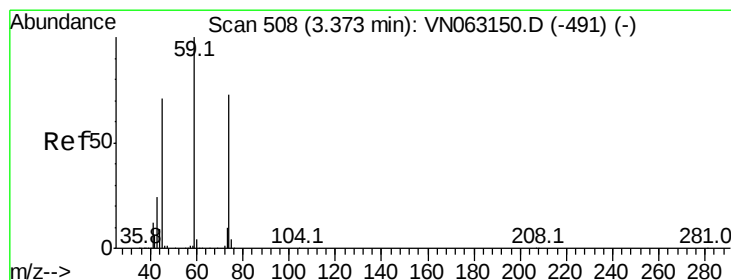
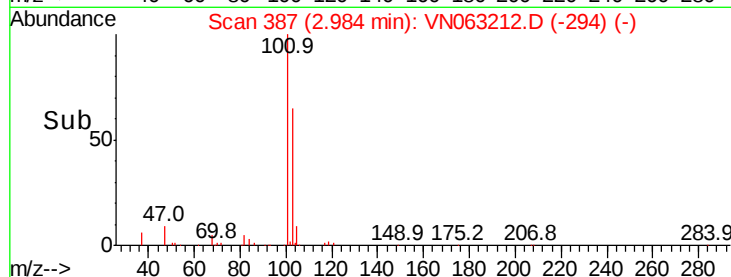
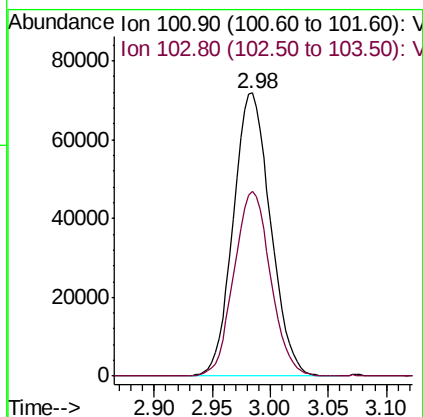
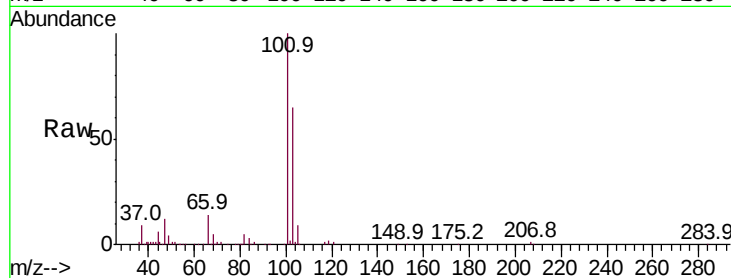


#7

Trichlorofluoromethane
 Concen: 17.559 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
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 ClientSampleId :
 VN0903WBSD01

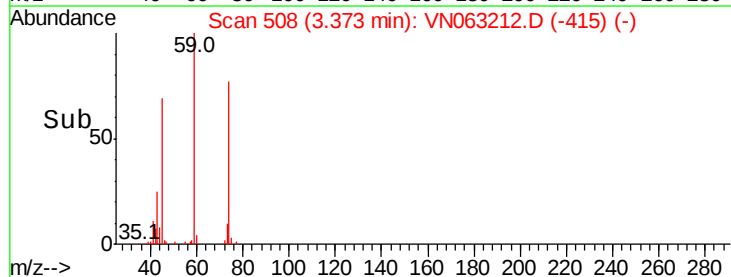
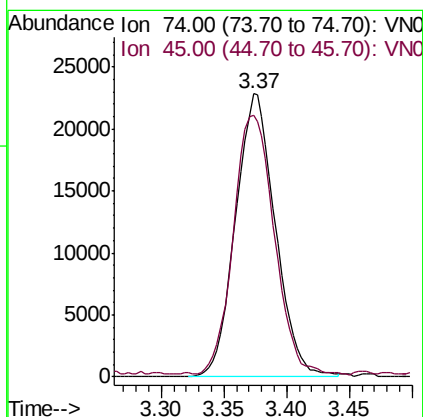
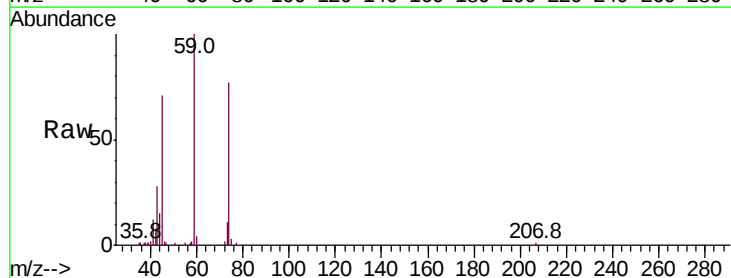
Tot Ion:101 Resp: 160421
 Ion Ratio Lower Upper
 101 100
 103 65.4 49.7 74.5

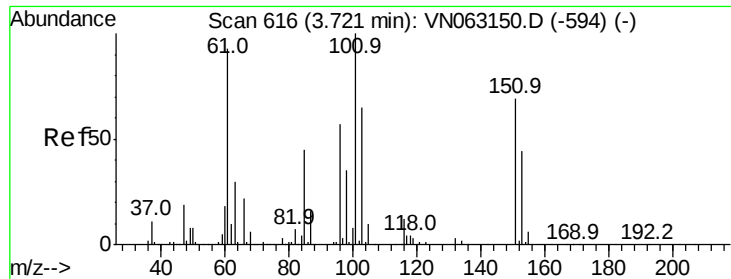


#8

Diethyl Ether
 Concen: 18.187 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 74 Resp: 50431
 Ion Ratio Lower Upper
 74 100
 45 94.2 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.762 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

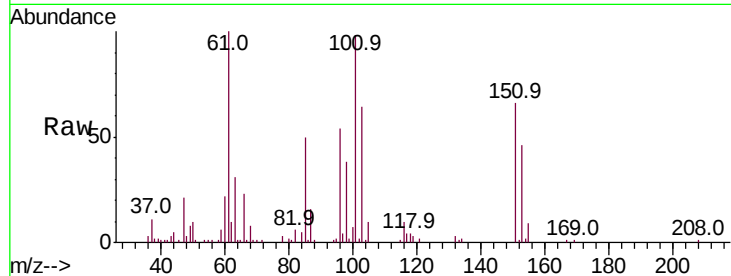
Tot Ion:101 Resp: 73909

Ion Ratio Lower Upper

101 100

85 49.4 37.8 56.8

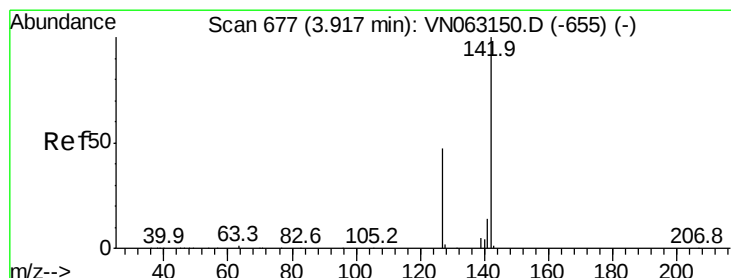
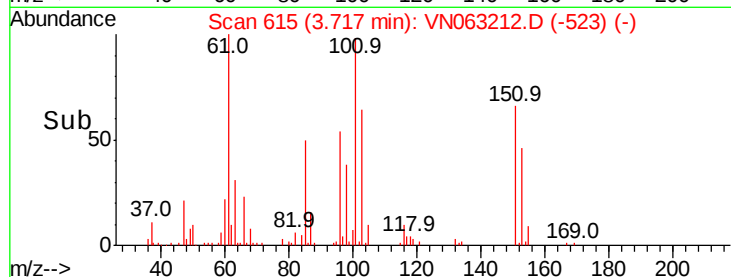
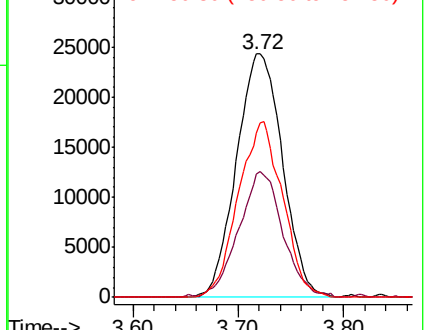
151 69.4 55.0 82.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.664 ug/l

RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

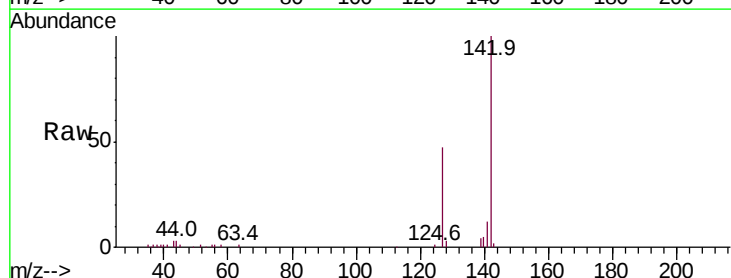
Tgt Ion:142 Resp: 89527

Ion Ratio Lower Upper

142 100

127 48.3 37.6 56.4

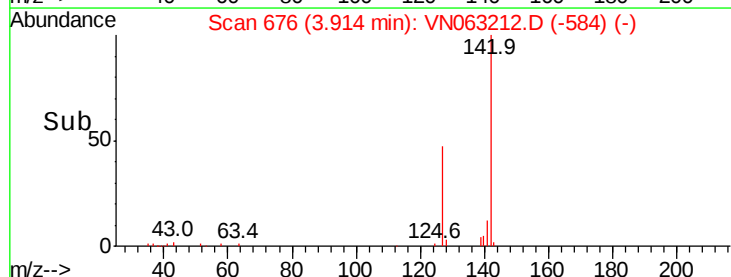
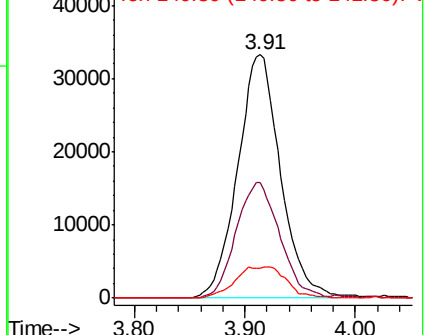
141 7.0 11.3 16.9#

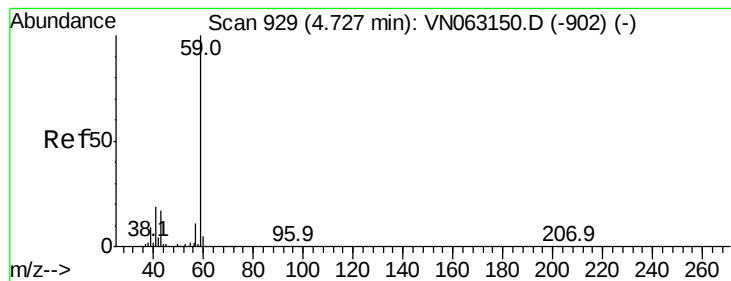


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



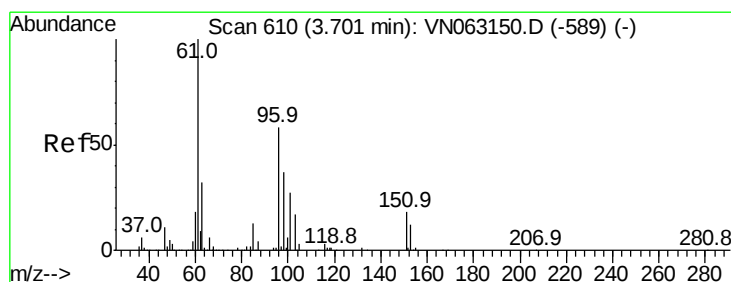
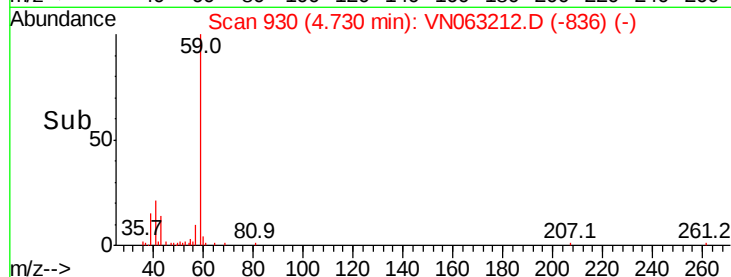
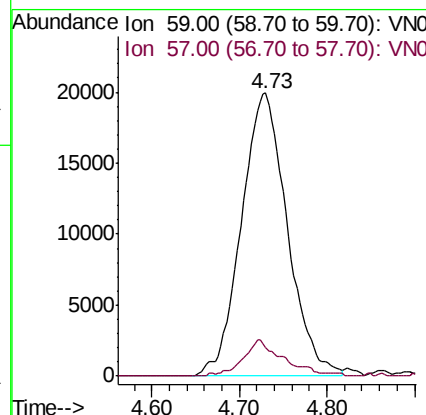
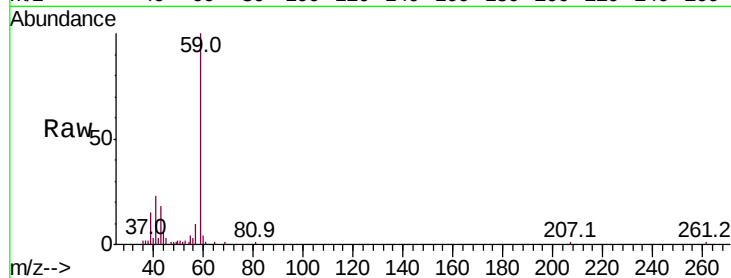


#11

Tert butyl alcohol
 Concen: 98.697 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

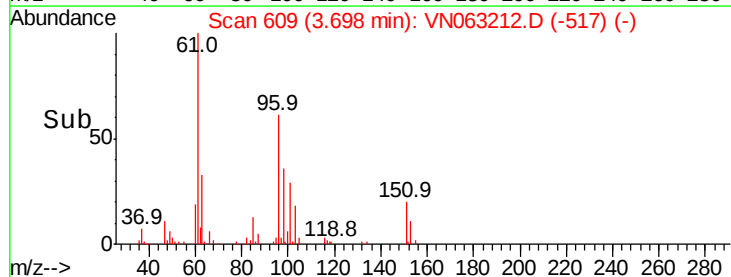
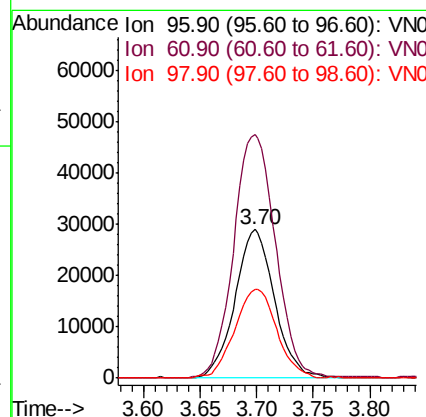
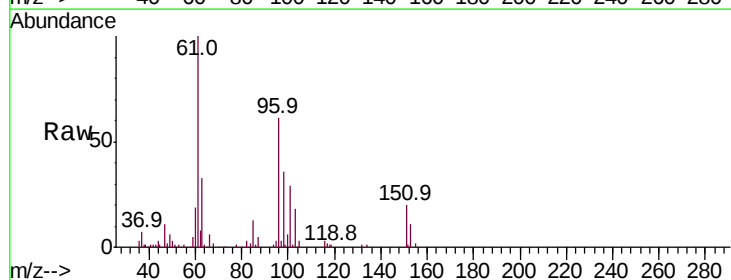
Tot Ion: 59 Resp: 72456
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.4 12.6

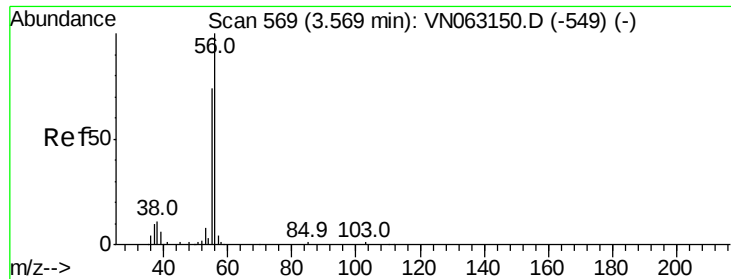


#12

1,1-Dichloroethene
 Concen: 17.560 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 96 Resp: 70486
 Ion Ratio Lower Upper
 96 100
 61 163.1 137.4 206.2
 98 59.6 50.5 75.7





#13

Acrolein

Concen: 77.397 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

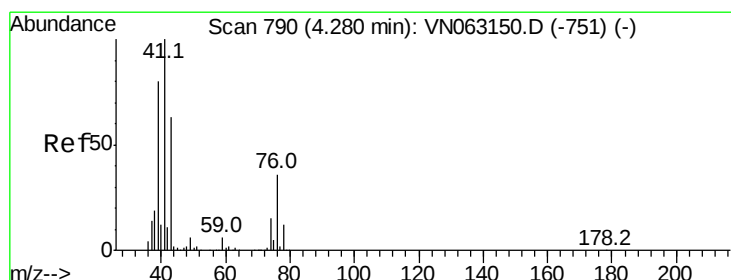
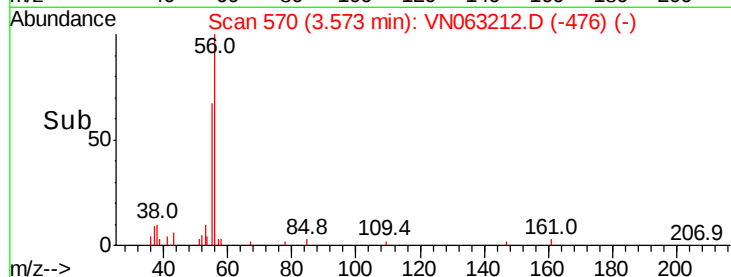
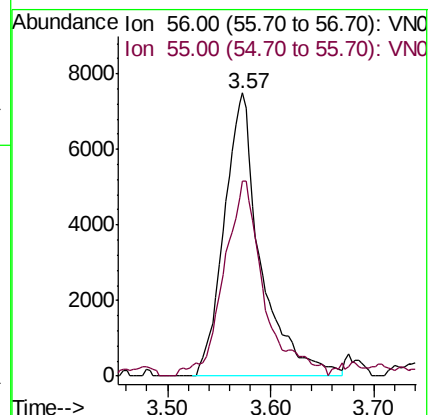
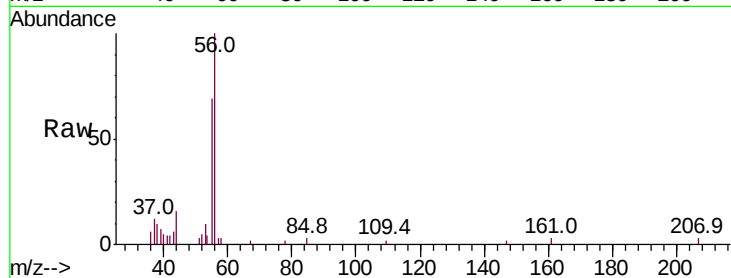
VN0903WBSD01

Tot Ion: 56 Resp: 18384

Ion Ratio Lower Upper

56 100

55 75.4 55.4 83.0



#14

Allyl chloride

Concen: 18.398 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

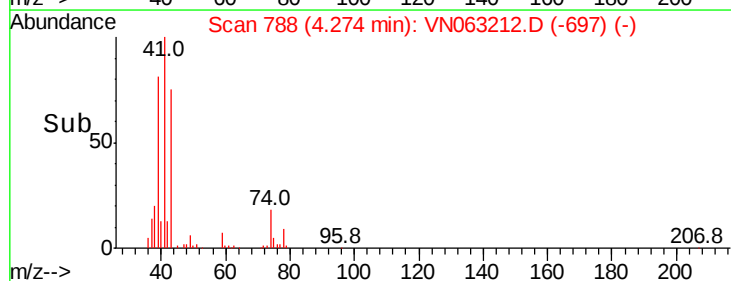
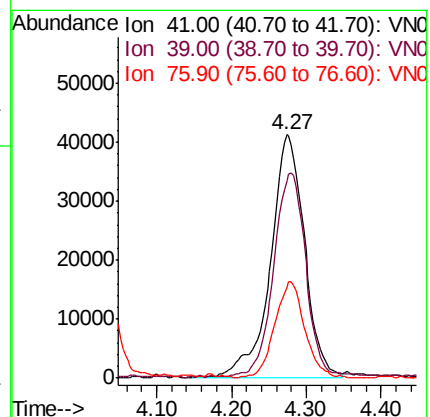
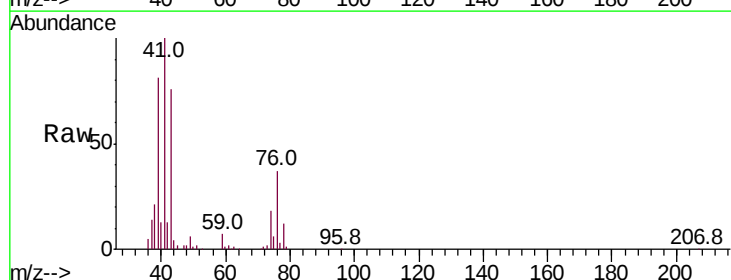
Tgt Ion: 41 Resp: 131155

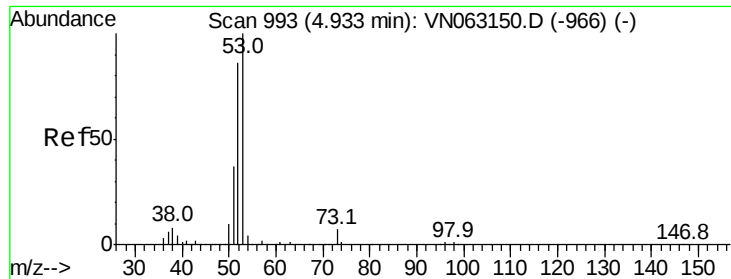
Ion Ratio Lower Upper

41 100

39 78.8 60.2 90.2

76 34.8 27.7 41.5





#15

Acrylonitrile

Concen: 93.775 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

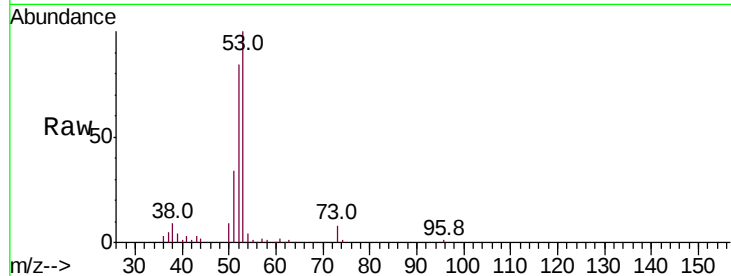
Tot Ion: 53 Resp: 189716

Ion Ratio Lower Upper

53 100

52 82.9 67.2 100.8

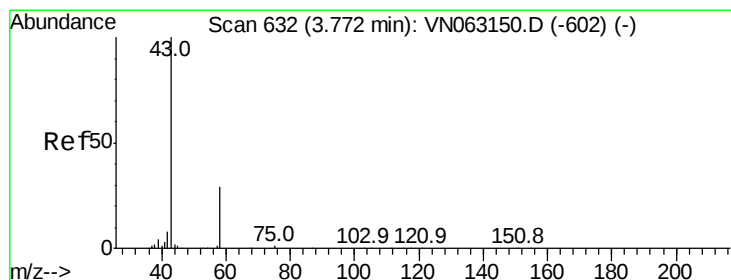
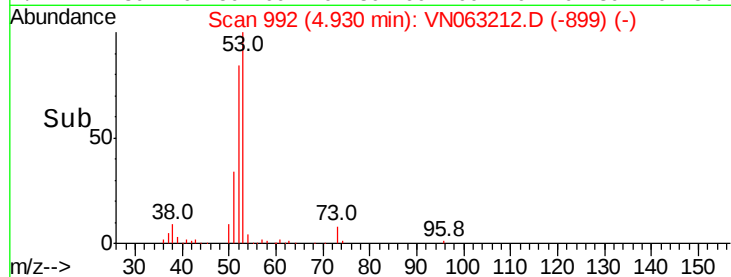
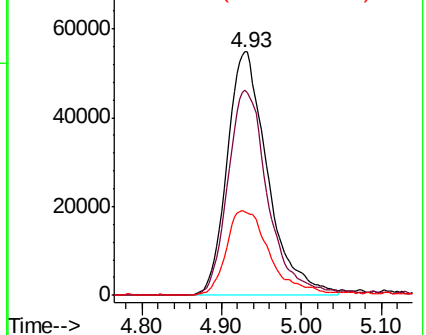
51 37.4 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 94.942 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063212.D

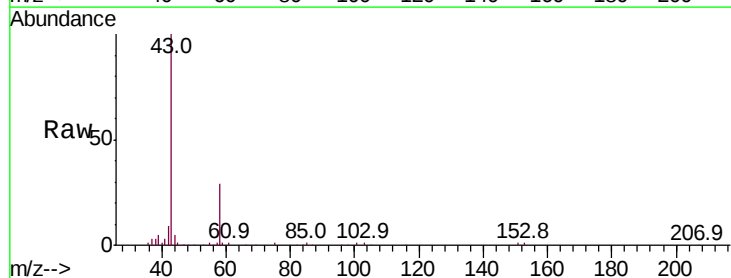
Acq: 3 Sep 2020 12:00

Tgt Ion: 43 Resp: 161414

Ion Ratio Lower Upper

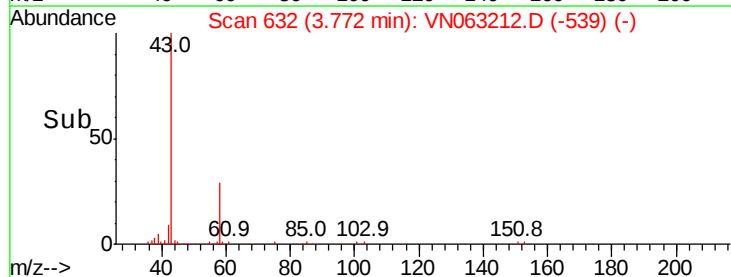
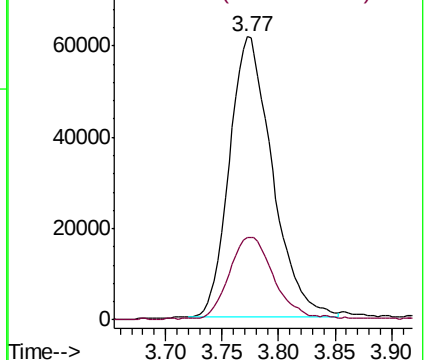
43 100

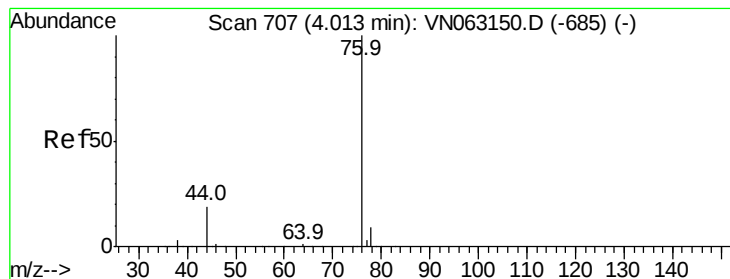
58 28.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.826 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

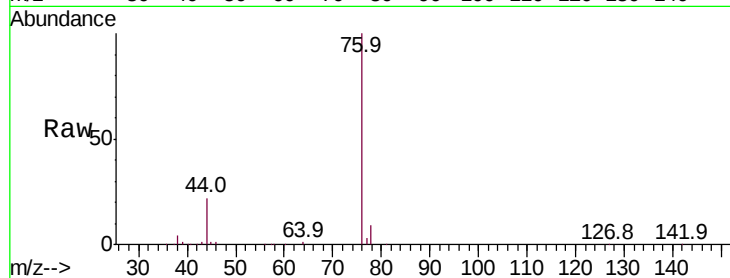
VN0903WBSD01

Tot Ion: 76 Resp: 201029

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN063212.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063212.D (-614) (-)

4.01

80000

60000

40000

20000

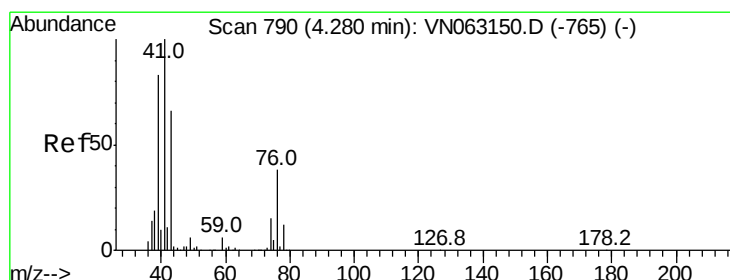
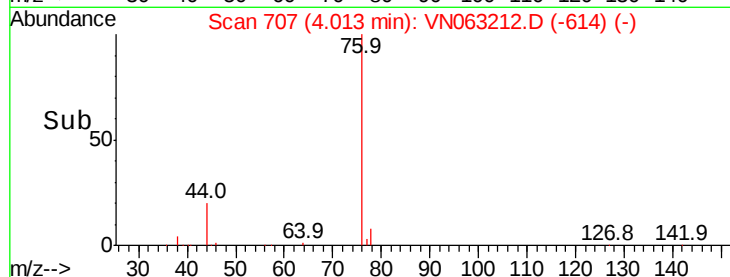
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 20.939 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063212.D

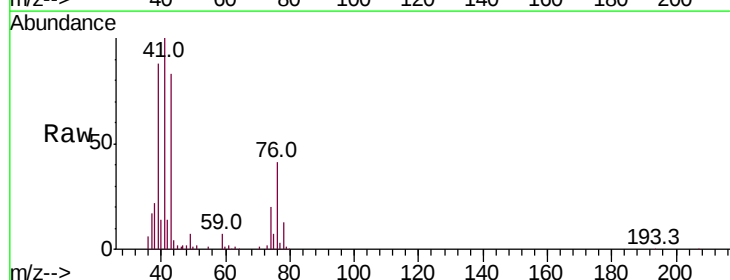
Acq: 3 Sep 2020 12:00

Tgt Ion: 43 Resp: 91278

Ion Ratio Lower Upper

43 100

74 24.5 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN063212.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN063212.D (-697) (-)

4.28

30000

20000

10000

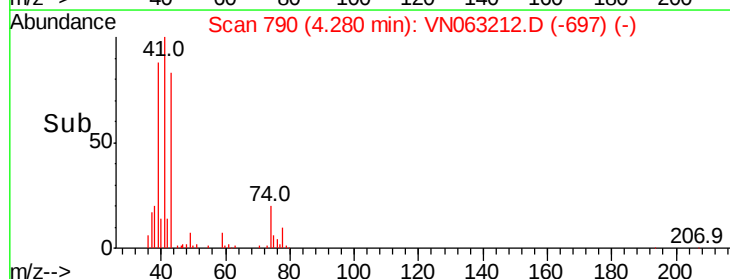
0

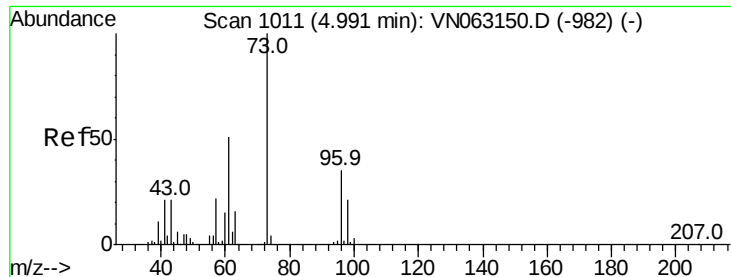
Time-->

4.20

4.30

4.40



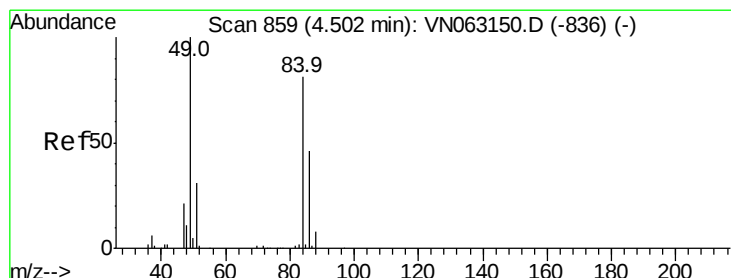
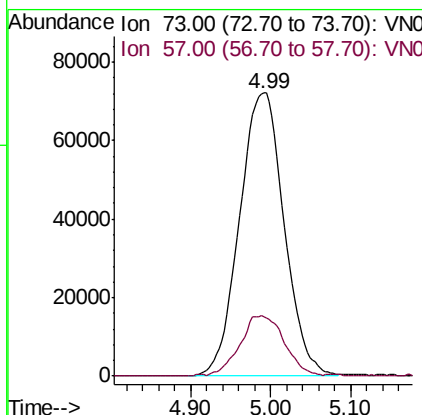
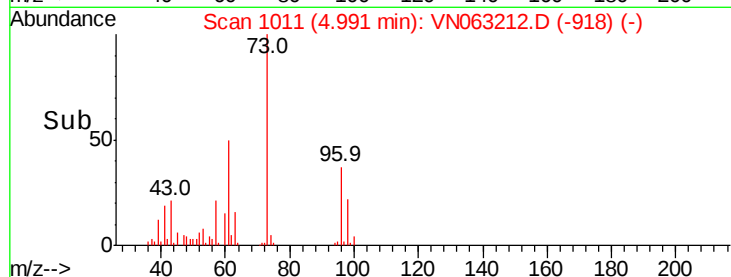
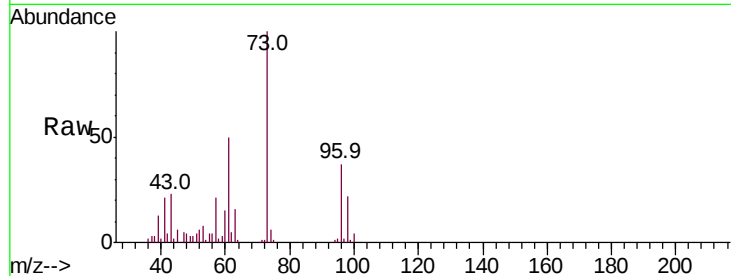


#19

Methvl tert-butvl Ether
 Concen: 18.401 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

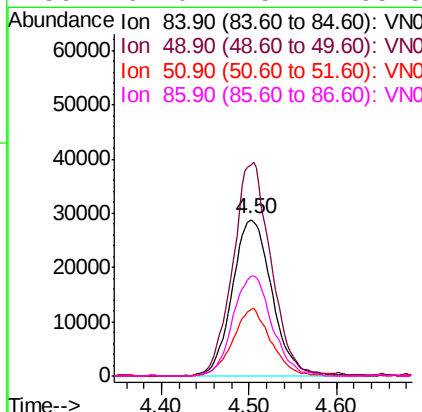
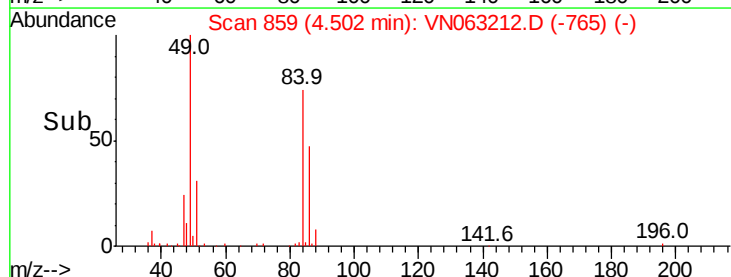
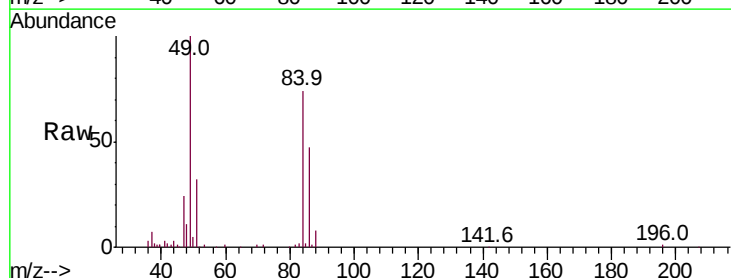
Tot Ion: 73 Resp: 274005
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.6 26.4

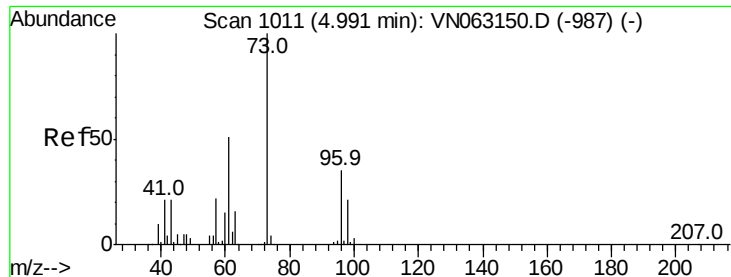


#20

Methylene Chloride
 Concen: 18.657 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 84 Resp: 90663
 Ion Ratio Lower Upper
 84 100
 49 135.1 98.4 147.6
 51 42.8 30.4 45.6
 86 64.0 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 18.467 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

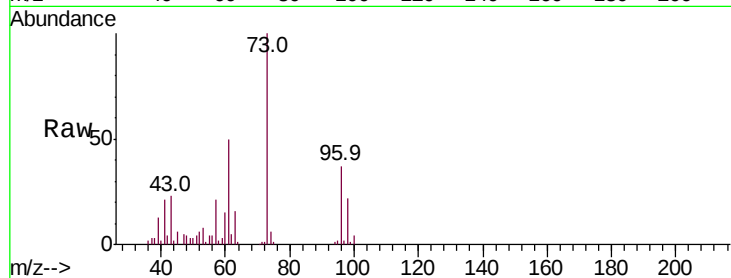
Tot Ion: 96 Resp: 81896

Ion Ratio Lower Upper

96 100

61 135.0 116.2 174.4

98 59.7 48.0 72.0

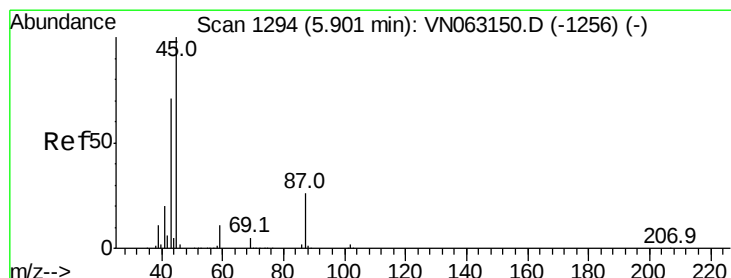
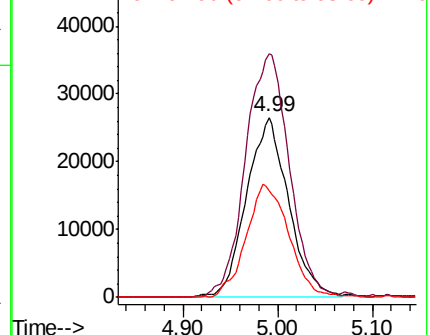
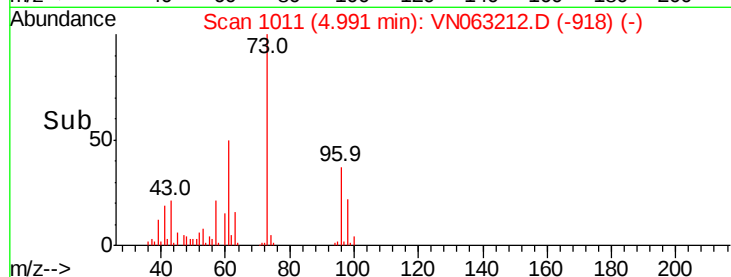


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.376 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion: 45 Resp: 293562

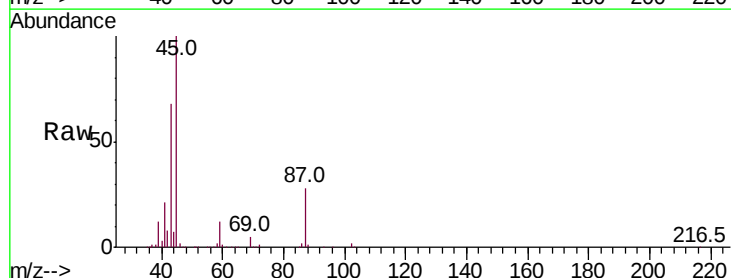
Ion Ratio Lower Upper

45 100

43 66.1 56.8 85.2

87 27.8 21.1 31.7

59 11.3 8.9 13.3



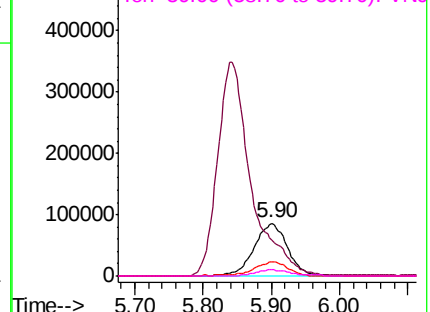
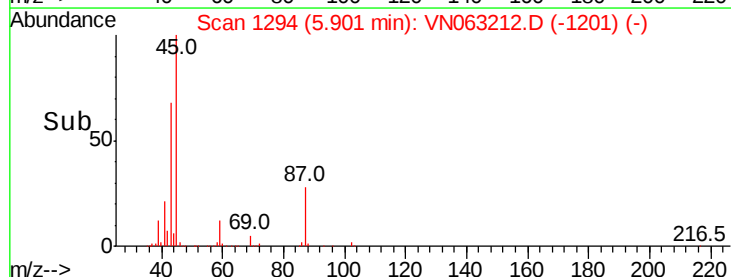
Abundance

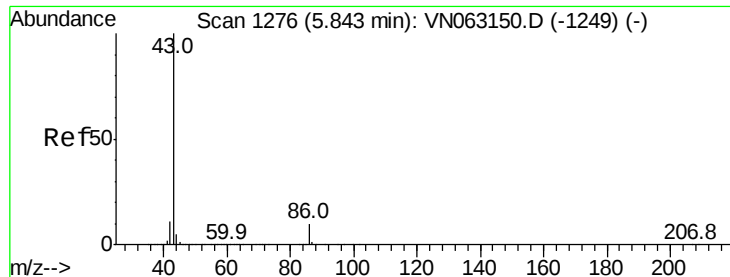
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

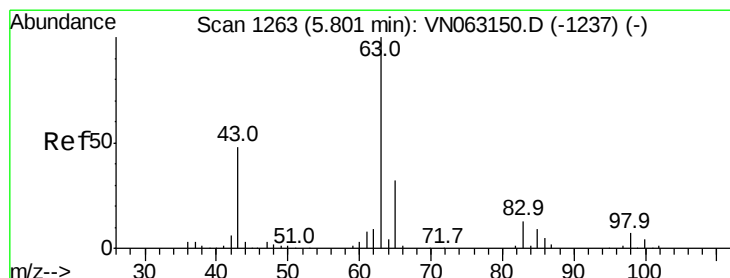
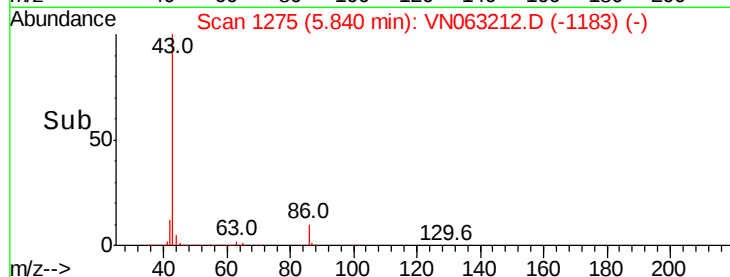
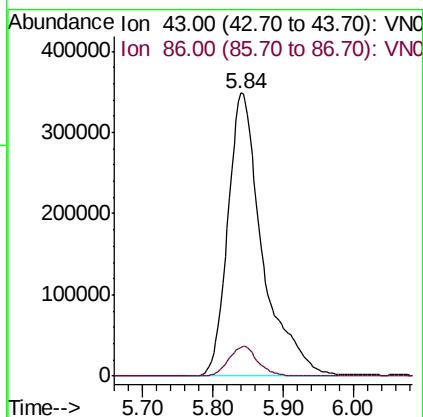
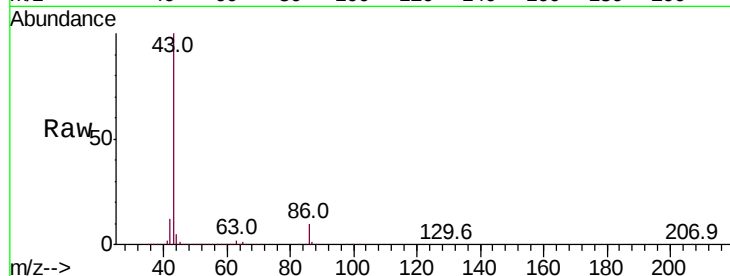




#23
 Vinyl Acetate
 Concen: 93.343 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

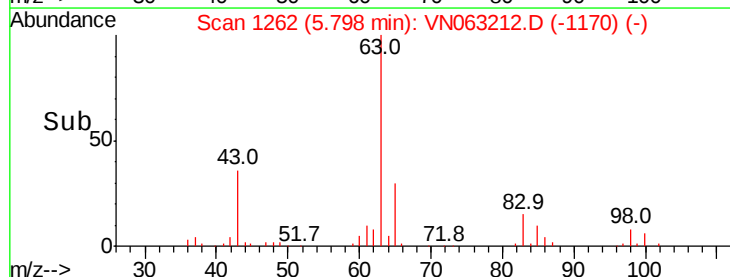
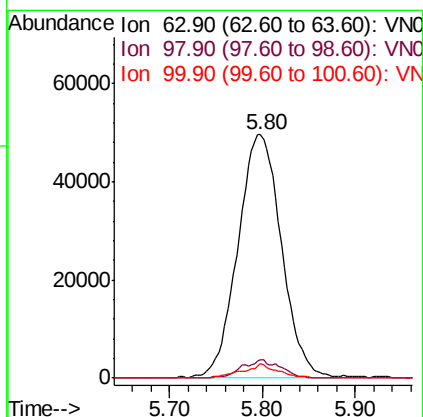
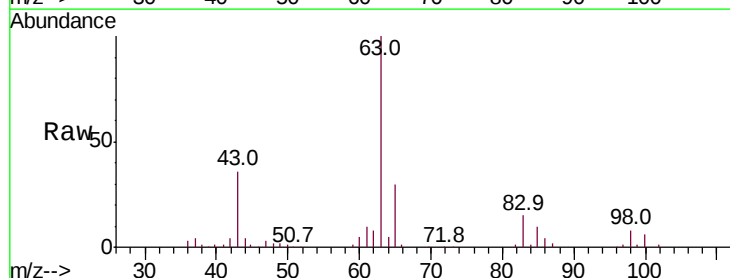
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

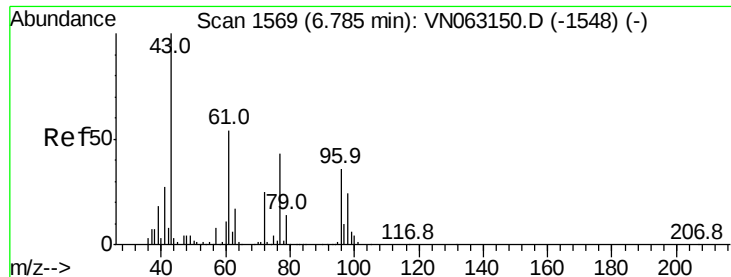
Tot Ion: 43 Resp: 1189828
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 18.380 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 63 Resp: 161872
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.4 10.1
 100 5.8 2.3 6.8





#25

2-Butanone

Concen: 101.531 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

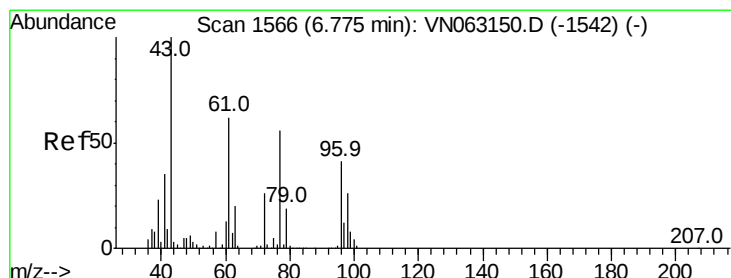
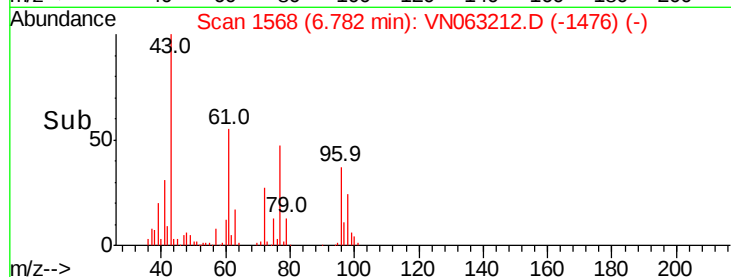
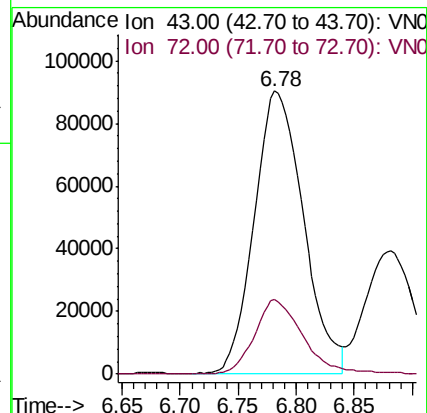
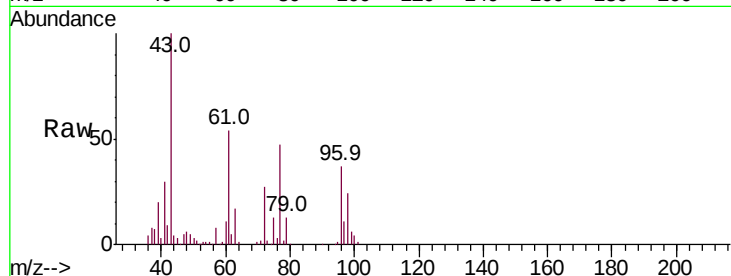
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion: 43 Resp: 267279

Ion Ratio Lower Upper

43 100

72 26.5 20.2 30.4



#26

2,2-Dichloropropane

Concen: 17.468 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063212.D

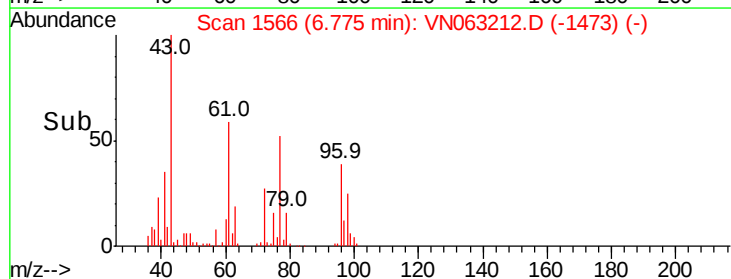
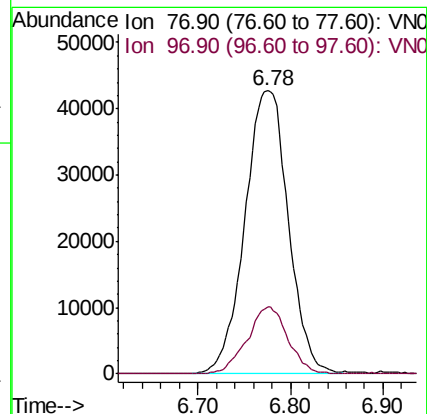
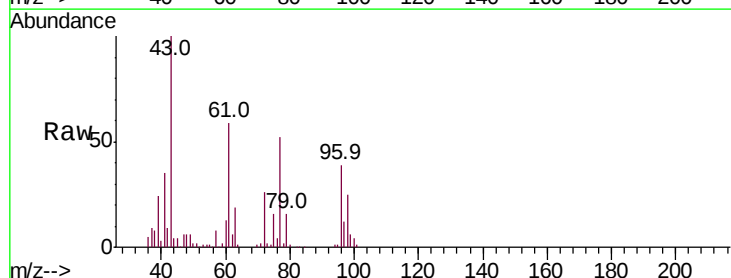
Acq: 3 Sep 2020 12:00

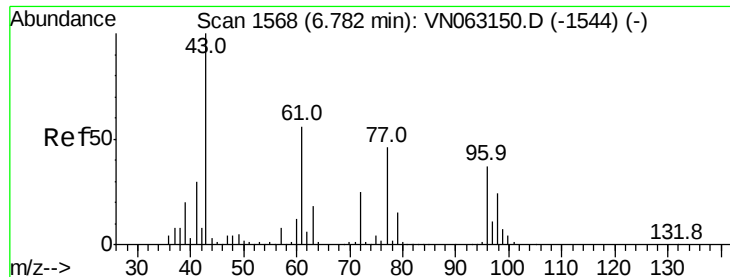
Tgt Ion: 77 Resp: 139378

Ion Ratio Lower Upper

77 100

97 22.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.143 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

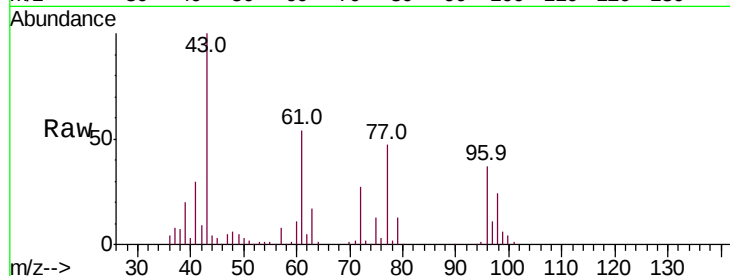
Tot Ion: 96 Resp: 97796

Ion Ratio Lower Upper

96 100

61 148.5 0.0 303.2

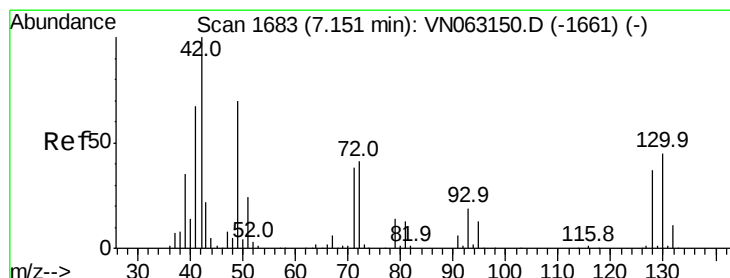
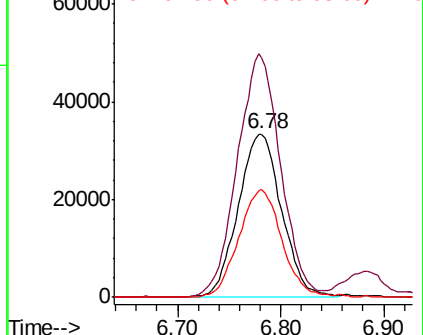
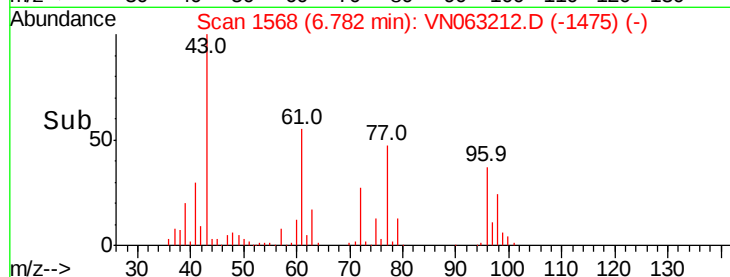
98 65.6 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.161 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

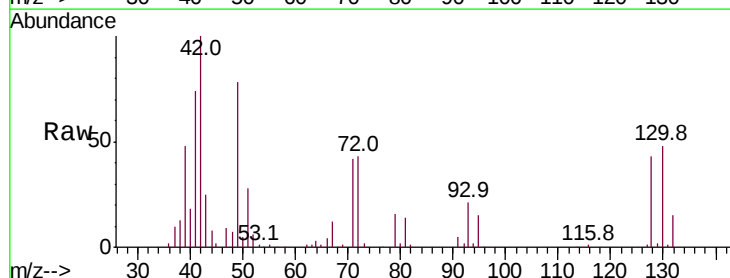
Tgt Ion: 49 Resp: 83561

Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.0

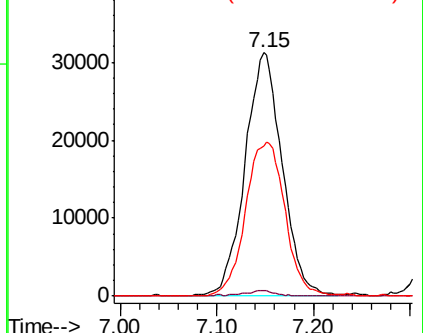
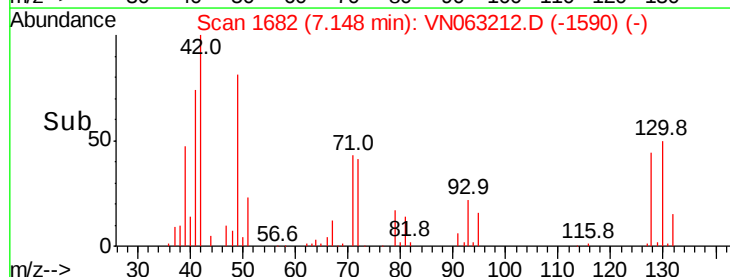
130 66.7 54.4 81.6

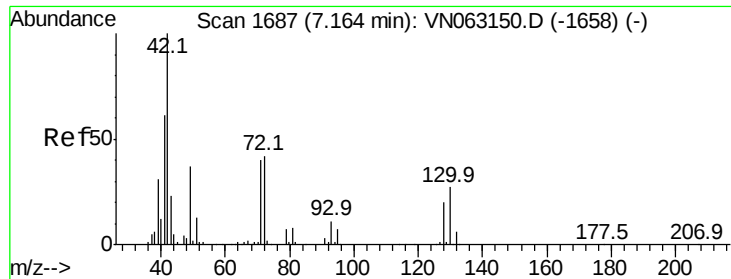


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

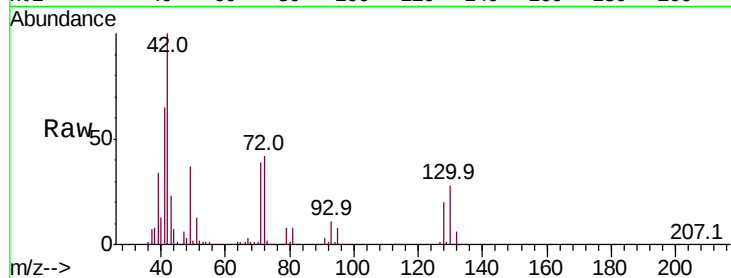




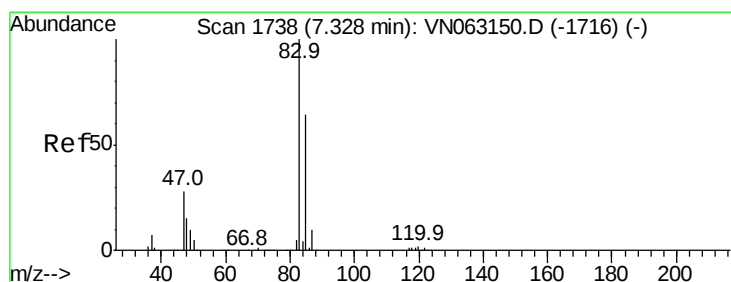
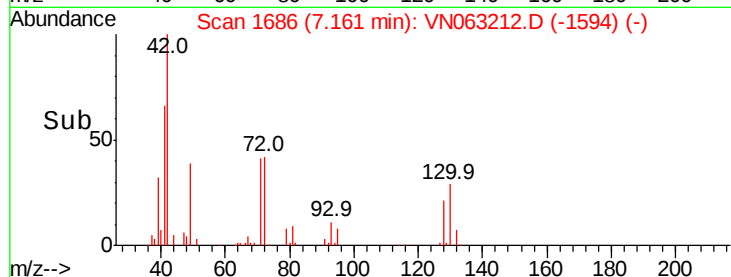
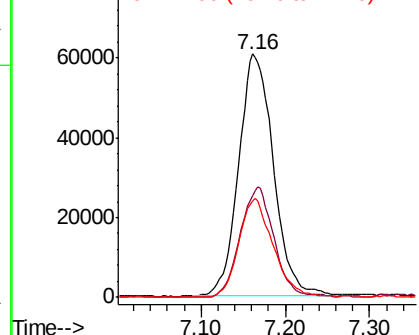
#29
Tetrahydrofuran
Concen: 95.368 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion: 42 Resp: 173593
Ion Ratio Lower Upper
42 100
72 44.5 33.9 50.9
71 40.5 31.9 47.9

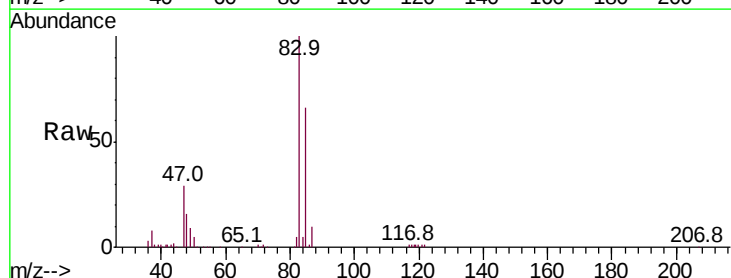


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

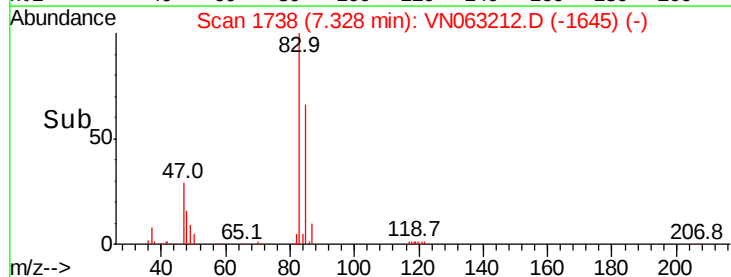
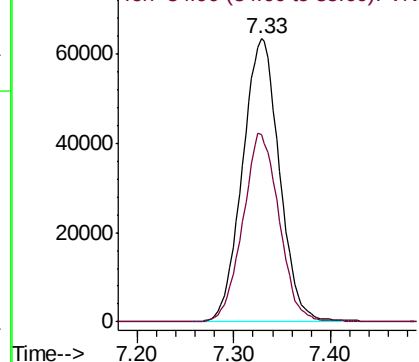


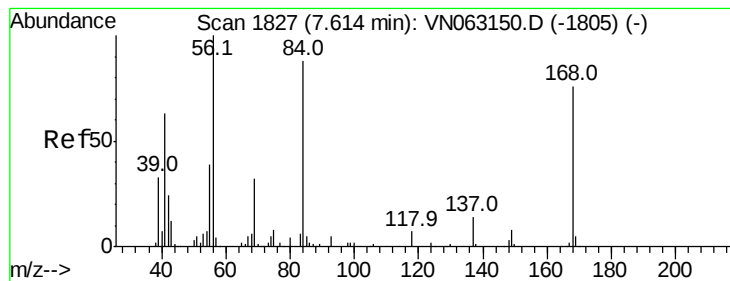
#30
Chloroform
Concen: 18.251 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 83 Resp: 168165
Ion Ratio Lower Upper
83 100
85 66.2 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.935 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

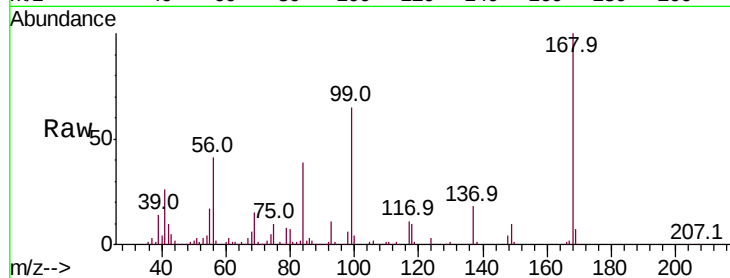
Tot Ion: 56 Resp: 140430

Ion Ratio Lower Upper

56 100

69 36.8 25.4 38.0

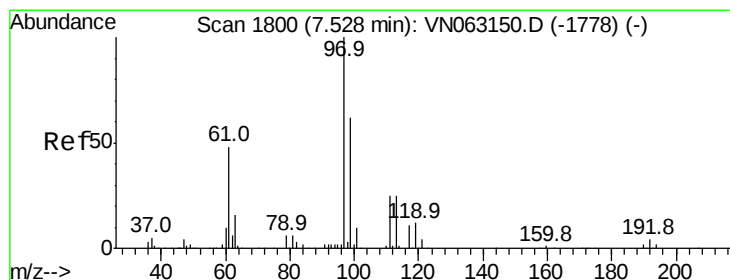
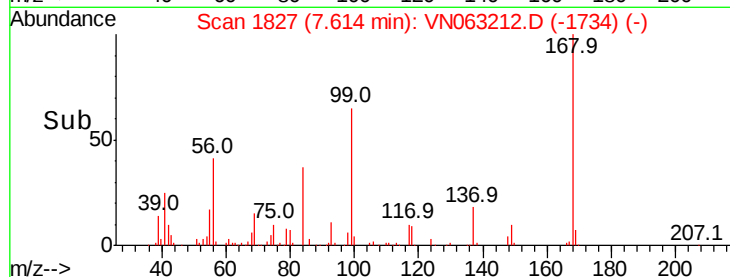
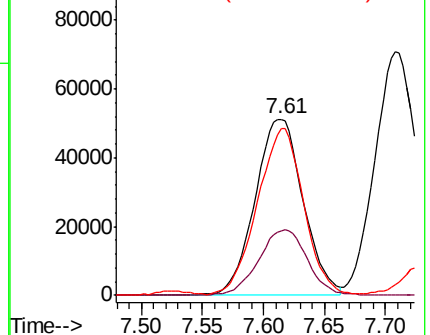
84 93.1 70.2 105.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.294 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

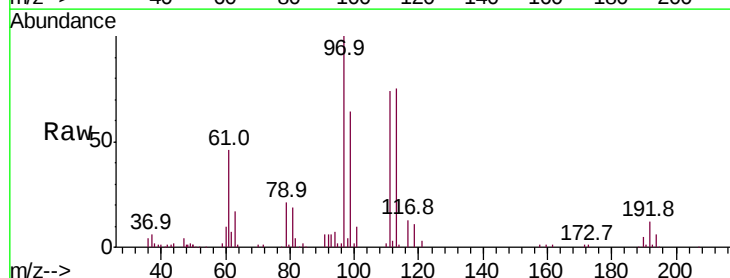
Tgt Ion: 97 Resp: 145253

Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

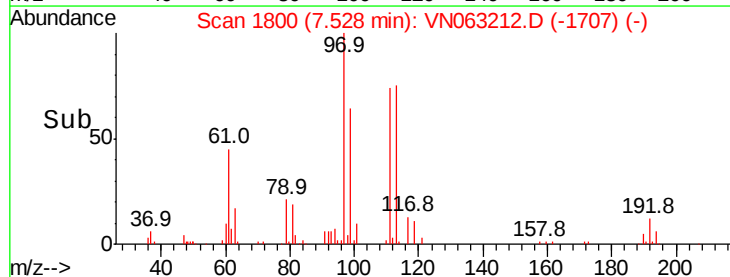
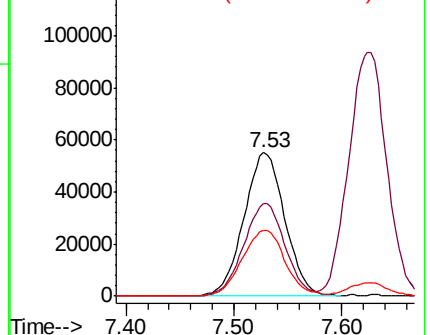
61 48.3 37.4 56.2

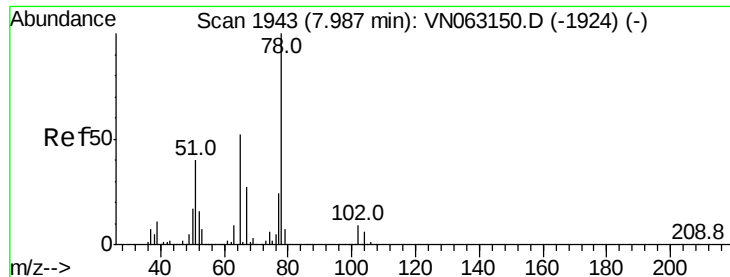


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.504 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

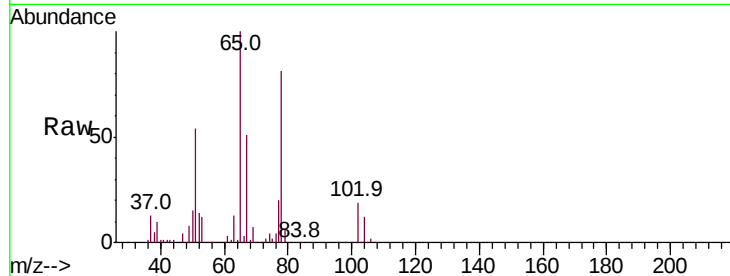
VN0903WBSD01

Tot Ion: 65 Resp: 290087

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

150000

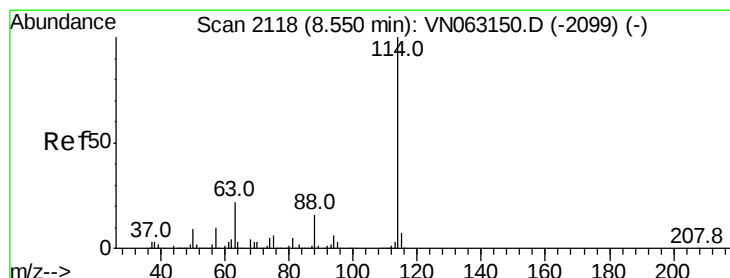
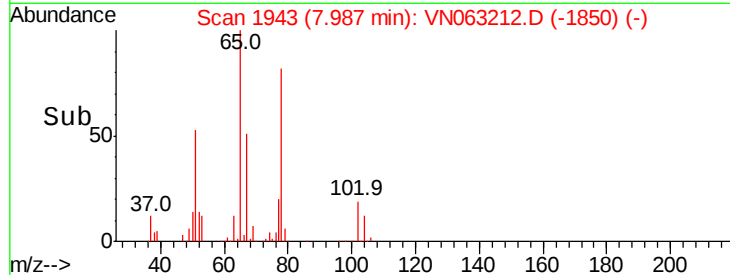
100000

50000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

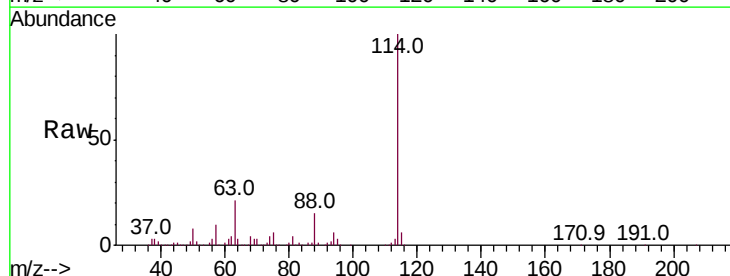
Tgt Ion:114 Resp: 671985

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 14.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

400000

300000

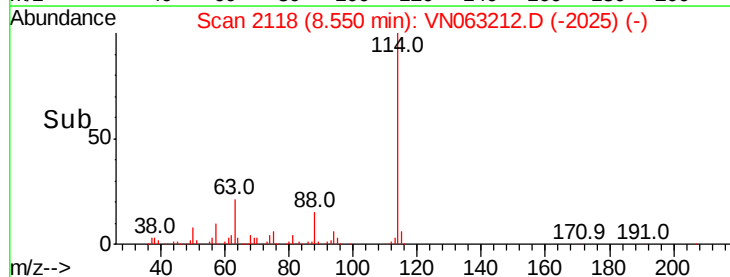
200000

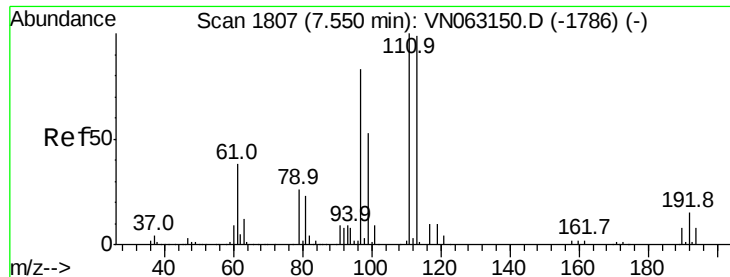
100000

0

Time-->

8.50 8.55 8.60





#35

Dibromofluoromethane

Concen: 49.091 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

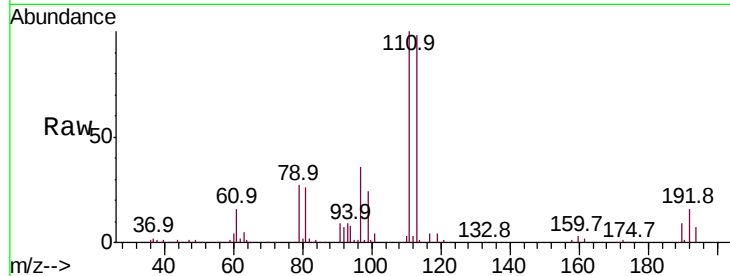
Tot Ion:113 Resp: 211638

Ion Ratio Lower Upper

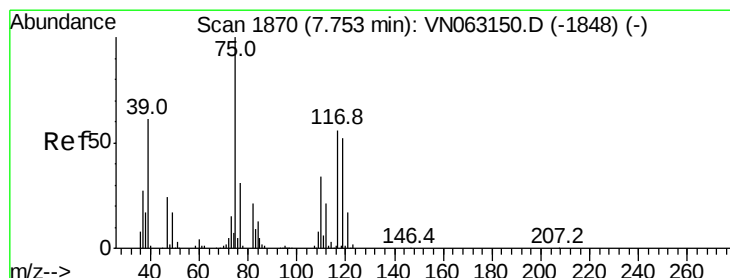
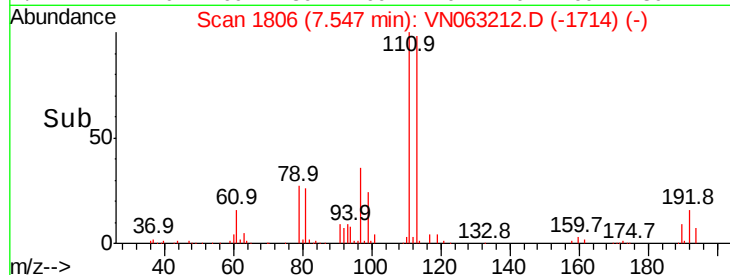
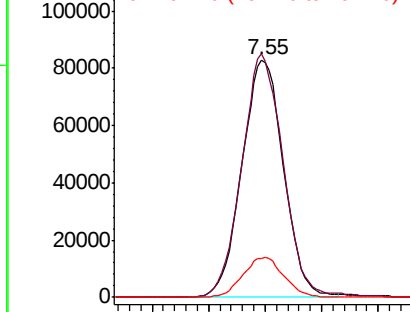
113 100

111 101.4 80.7 121.1

192 16.5 12.6 19.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.518 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

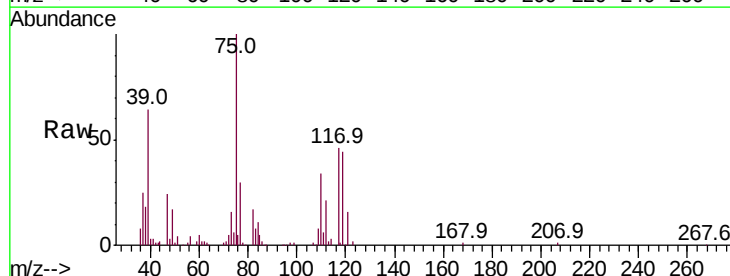
Tgt Ion: 75 Resp: 119629

Ion Ratio Lower Upper

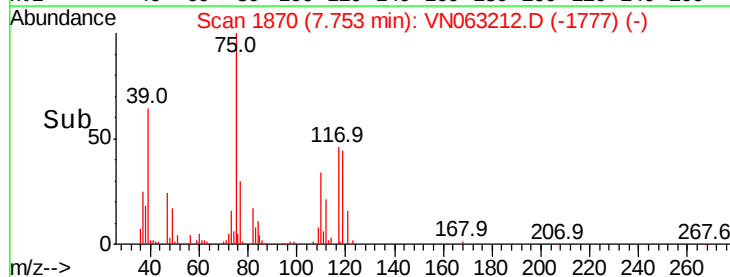
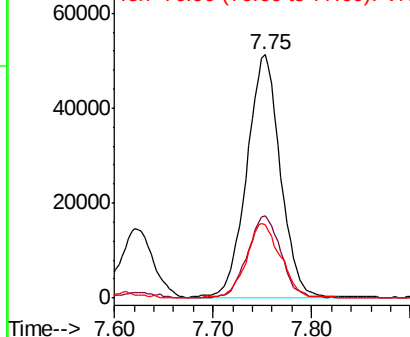
75 100

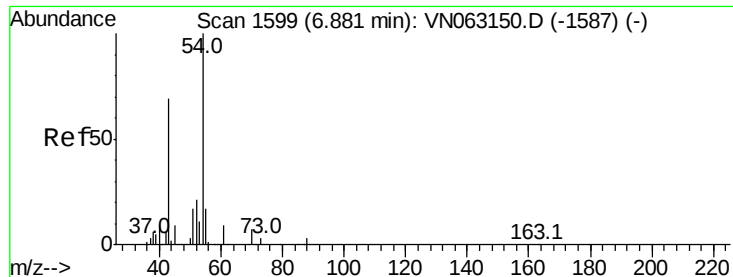
110 34.0 16.6 49.8

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

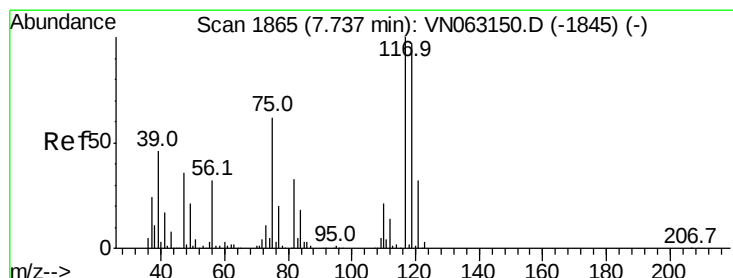
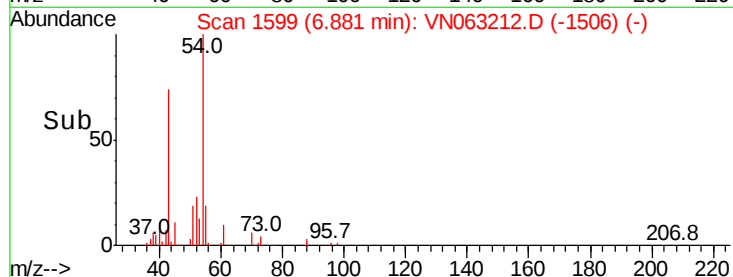
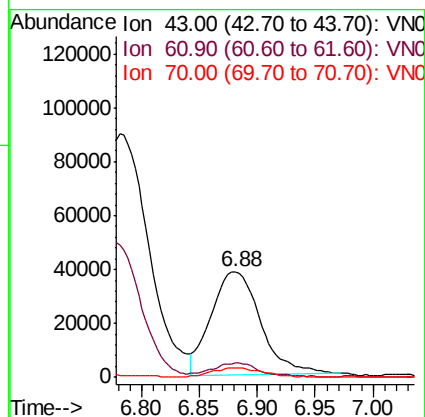
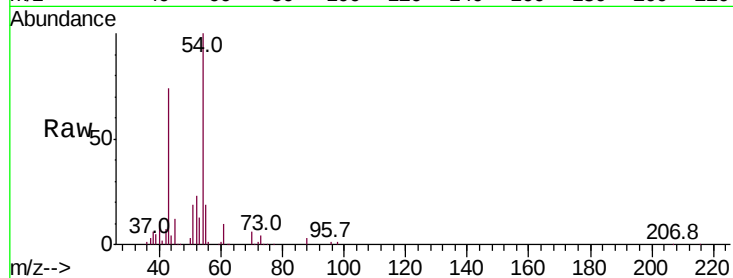




#37
Ethyl Acetate
Concen: 18.929 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

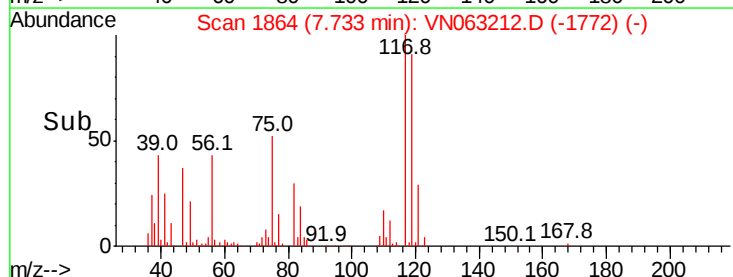
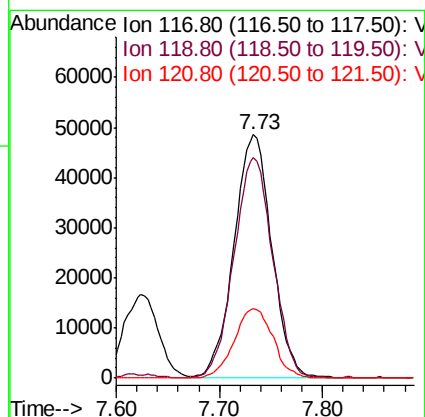
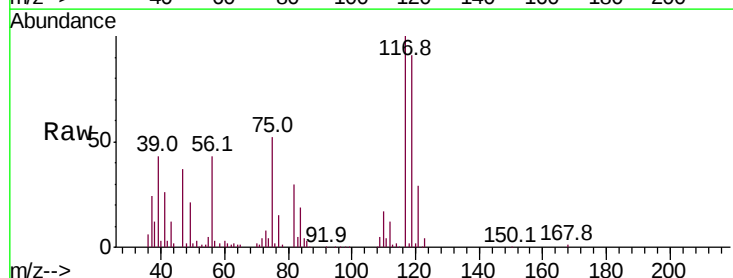
Instrument :
MSVOA_N
ClientSampled :
VN0903WBSD01

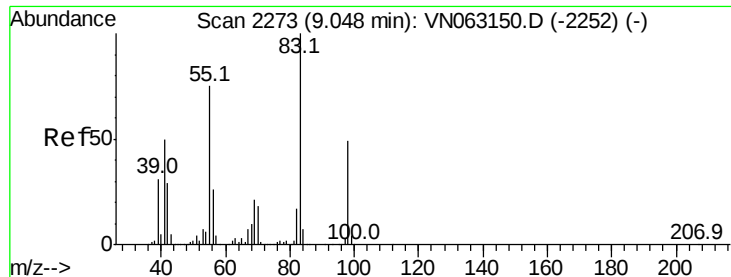
Tot Ion: 43 Resp: 114017
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.4
70 9.6 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 18.939 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 117 Resp: 124078
Ion Ratio Lower Upper
117 100
119 90.7 77.2 115.8
121 28.6 25.6 38.4

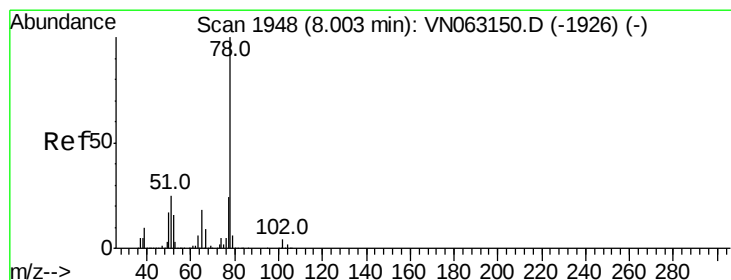
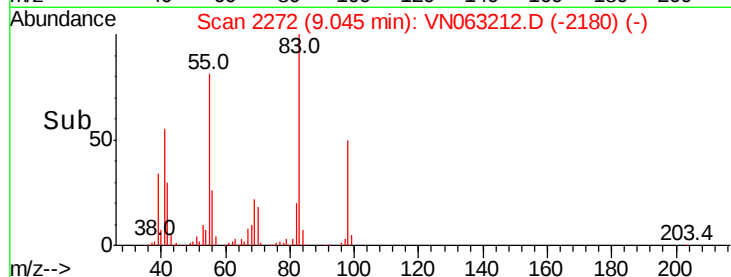
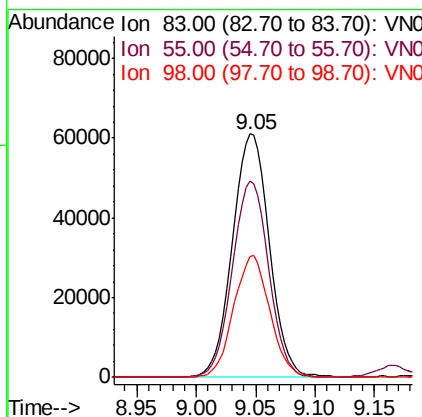
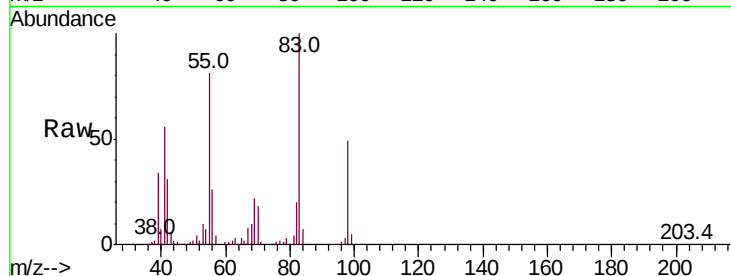




#39
Methvlcvclohexane
Concen: 18.156 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

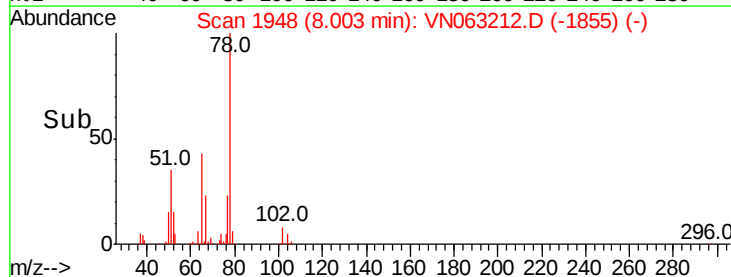
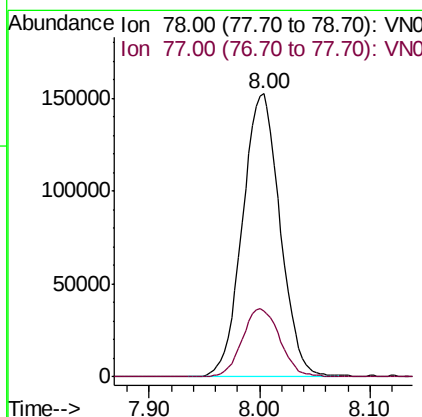
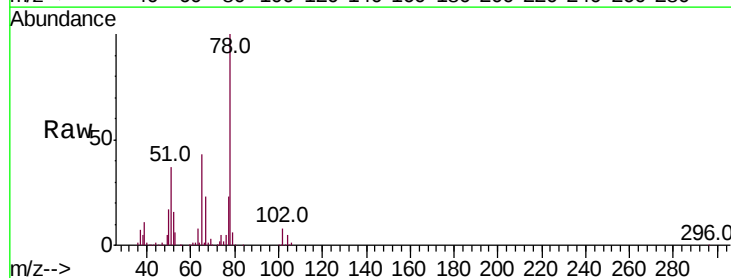
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

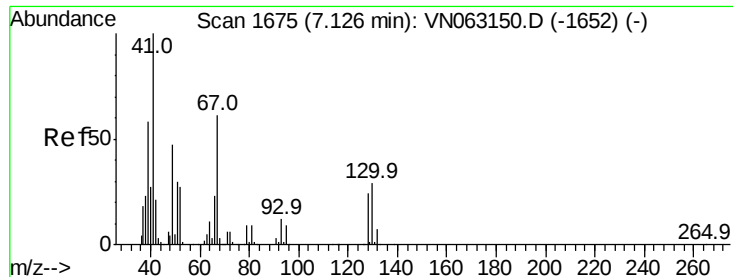
Tot Ion: 83 Resp: 131763
Ion Ratio Lower Upper
83 100
55 80.4 60.3 90.5
98 49.4 38.9 58.3



#40
Benzene
Concen: 18.933 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 78 Resp: 359422
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

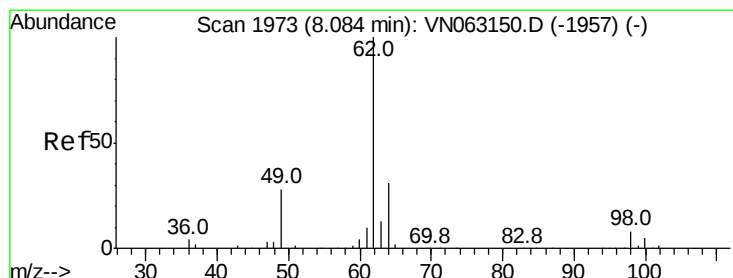
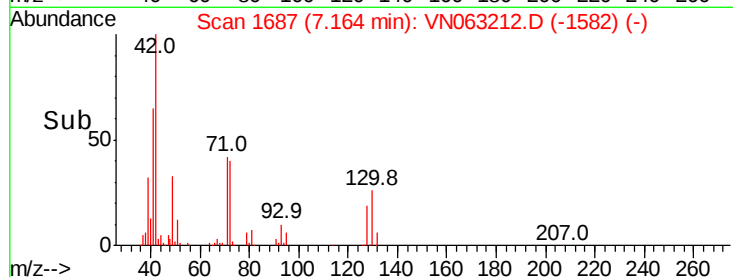
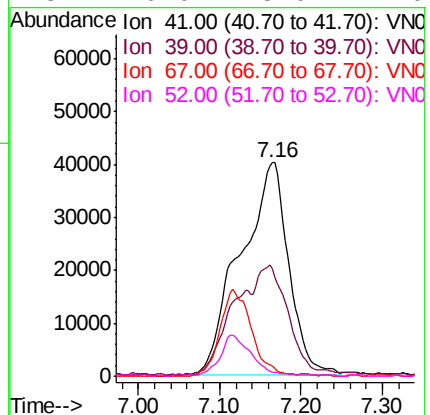
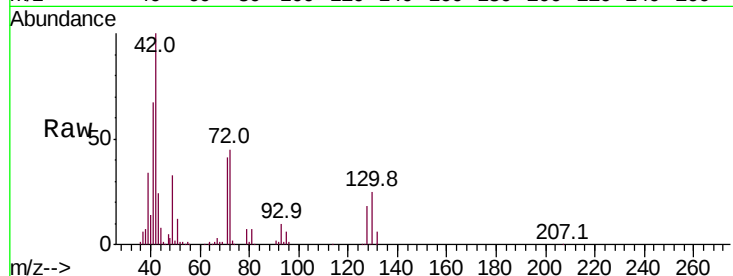




#41
Methacrylonitrile
Concen: 60.625 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

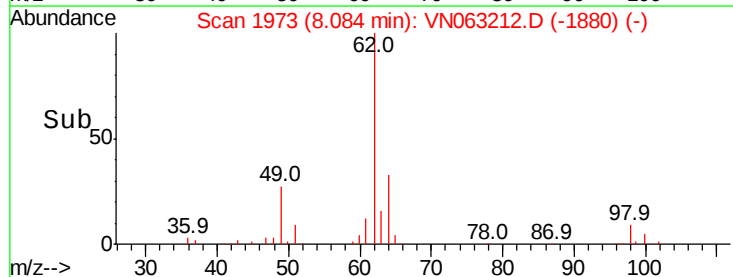
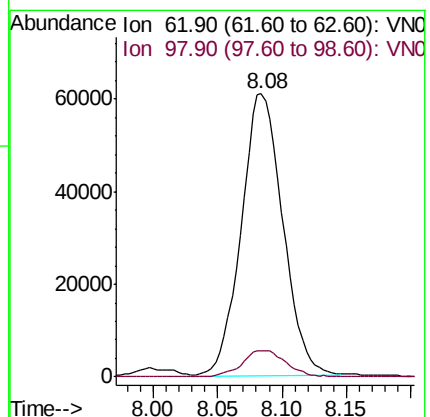
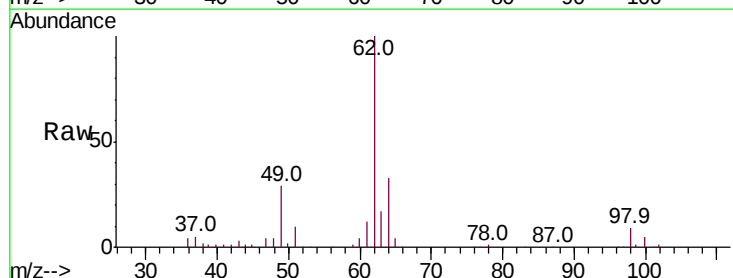
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

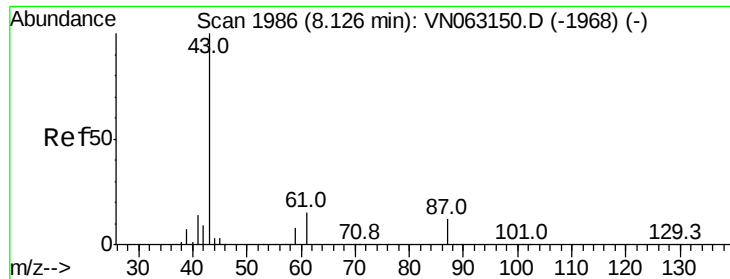
Tot Ion: 41 Resp: 164990
Ion Ratio Lower Upper
41 100
39 30.5 46.6 70.0#
67 0.0 62.6 94.0#
52 0.0 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 19.238 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 62 Resp: 136424
Ion Ratio Lower Upper
62 100
98 9.9 0.0 17.2





#43

Isopropyl Acetate

Concen: 19.699 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

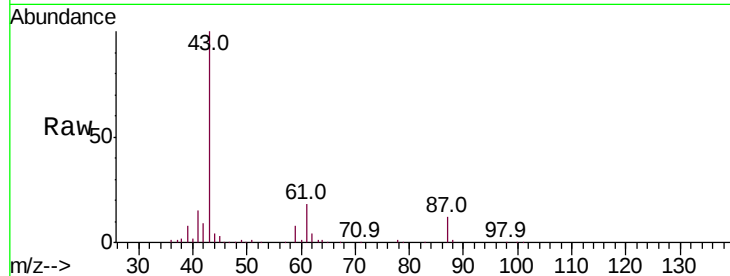
Tot Ion: 43 Resp: 207541

Ion Ratio Lower Upper

43 100

61 17.9 20.2 30.4#

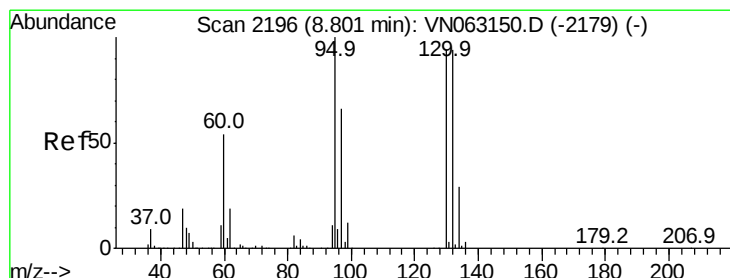
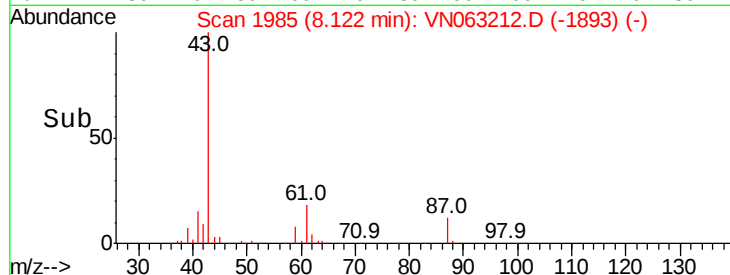
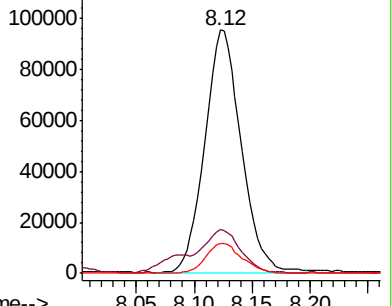
87 12.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN063150.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN063150.D (-1968) (-)



#44

Trichloroethene

Concen: 20.236 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063212.D

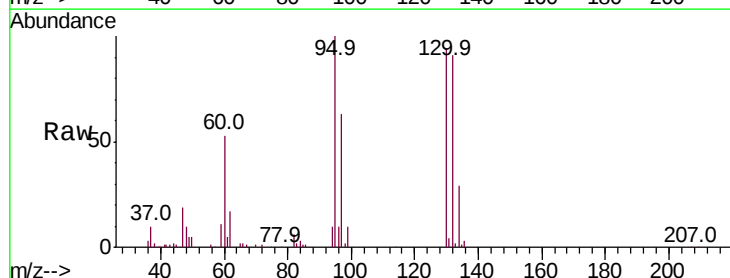
Acq: 3 Sep 2020 12:00

Tgt Ion:130 Resp: 93180

Ion Ratio Lower Upper

130 100

95 106.4 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): VN063150.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063150.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN063150.D (-2179) (-)

Ion 179.20 (178.90 to 179.50): VN063150.D (-2179) (-)

Ion 206.90 (206.60 to 207.20): VN063150.D (-2179) (-)

Ion 207.00 (206.70 to 207.30): VN063150.D (-2179) (-)

Ion 209.40 (209.10 to 209.70): VN063150.D (-2179) (-)

Ion 212.00 (211.70 to 212.30): VN063150.D (-2179) (-)

Ion 214.00 (213.70 to 214.30): VN063150.D (-2179) (-)

Ion 216.00 (215.70 to 216.30): VN063150.D (-2179) (-)

Ion 218.00 (217.70 to 218.30): VN063150.D (-2179) (-)

Ion 220.00 (219.70 to 220.30): VN063150.D (-2179) (-)

Ion 222.00 (221.70 to 222.30): VN063150.D (-2179) (-)

Ion 224.00 (223.70 to 224.30): VN063150.D (-2179) (-)

Ion 226.00 (225.70 to 226.30): VN063150.D (-2179) (-)

Ion 228.00 (227.70 to 228.30): VN063150.D (-2179) (-)

Ion 230.00 (229.70 to 230.30): VN063150.D (-2179) (-)

Ion 232.00 (231.70 to 232.30): VN063150.D (-2179) (-)

Ion 234.00 (233.70 to 234.30): VN063150.D (-2179) (-)

Ion 236.00 (235.70 to 236.30): VN063150.D (-2179) (-)

Ion 238.00 (237.70 to 238.30): VN063150.D (-2179) (-)

Ion 240.00 (239.70 to 240.30): VN063150.D (-2179) (-)

Ion 242.00 (241.70 to 242.30): VN063150.D (-2179) (-)

Ion 244.00 (243.70 to 244.30): VN063150.D (-2179) (-)

Ion 246.00 (245.70 to 246.30): VN063150.D (-2179) (-)

Ion 248.00 (247.70 to 248.30): VN063150.D (-2179) (-)

Ion 250.00 (249.70 to 250.30): VN063150.D (-2179) (-)

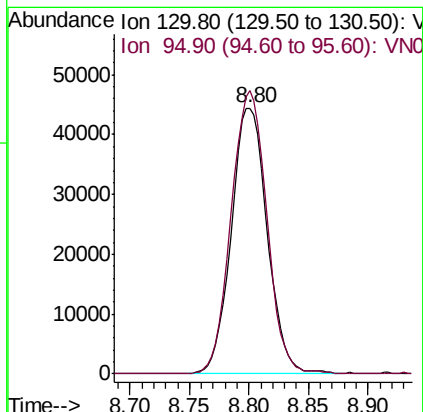
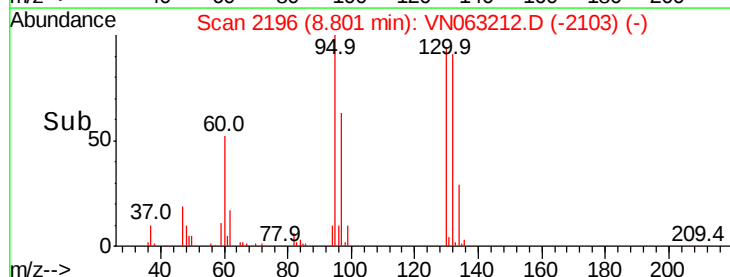
Ion 252.00 (251.70 to 252.30): VN063150.D (-2179) (-)

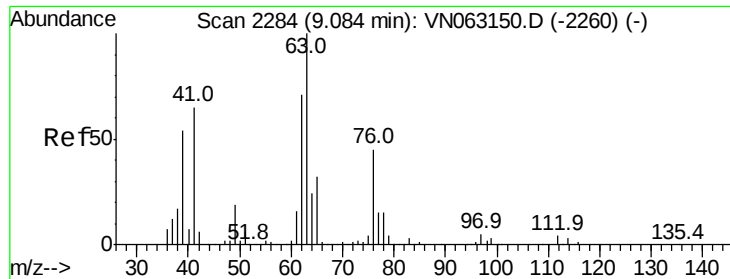
Ion 254.00 (253.70 to 254.30): VN063150.D (-2179) (-)

Ion 256.00 (255.70 to 256.30): VN063150.D (-2179) (-)

Ion 258.00 (257.70 to 258.30): VN063150.D (-2179) (-)

Ion 260.00 (259.70 to 260.30): VN063150.D (-2179) (-)

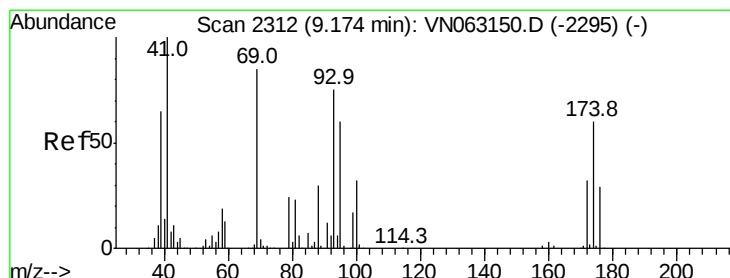
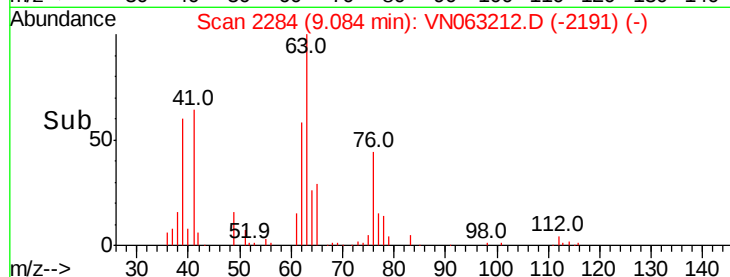
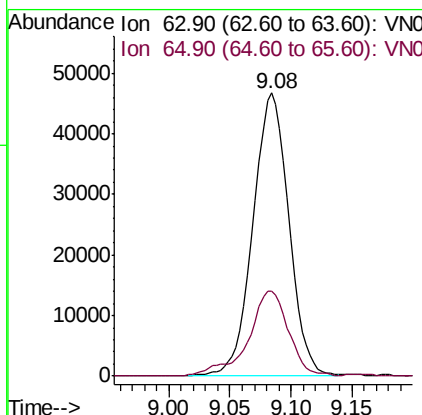
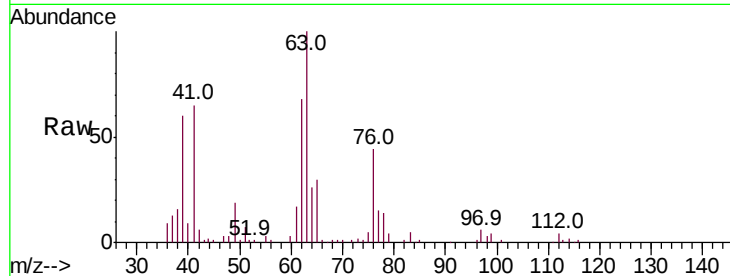




#45
 1,2-Dichloropropane
 Concen: 18.947 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

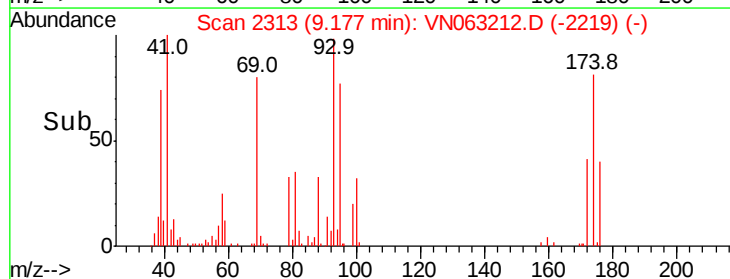
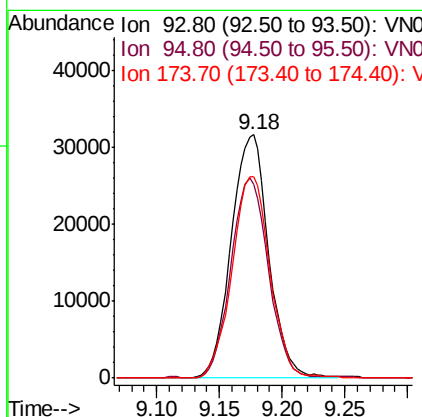
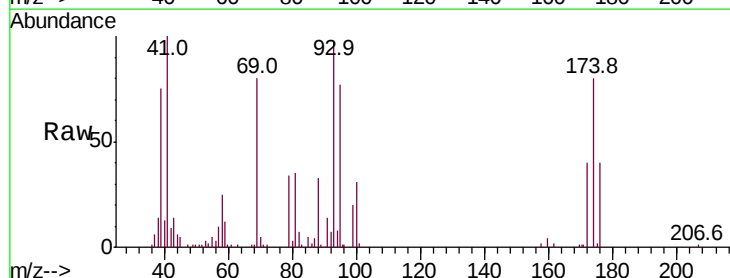
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0903WBSD01

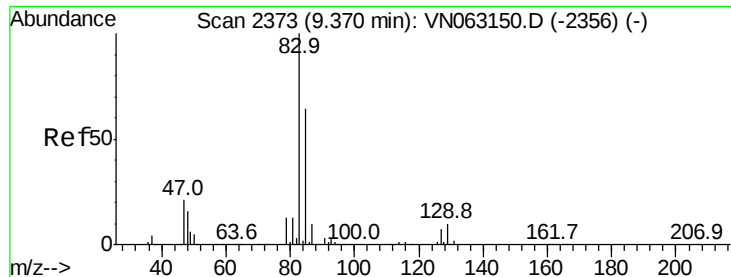
Tot Ion: 63 Resp: 95232
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.4 38.0



#46
 Dibromomethane
 Concen: 19.757 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 93 Resp: 65808
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.2 97.8
 174 83.9 64.6 97.0





#47

Bromodichloromethane

Concen: 19.282 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

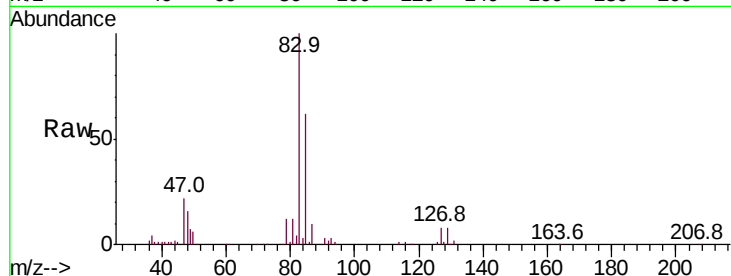
Tot Ion: 83 Resp: 137669

Ion Ratio Lower Upper

83 100

85 61.7 51.0 76.6

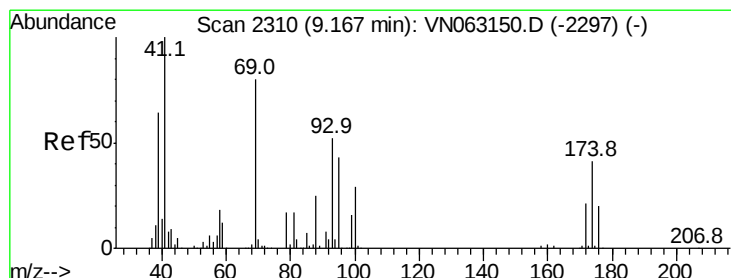
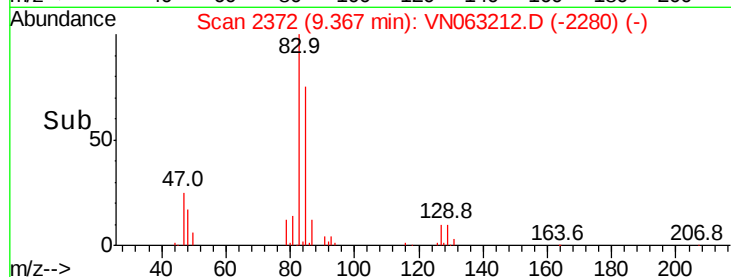
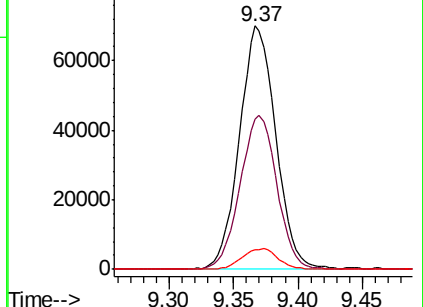
127 7.8 5.7 8.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.687 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

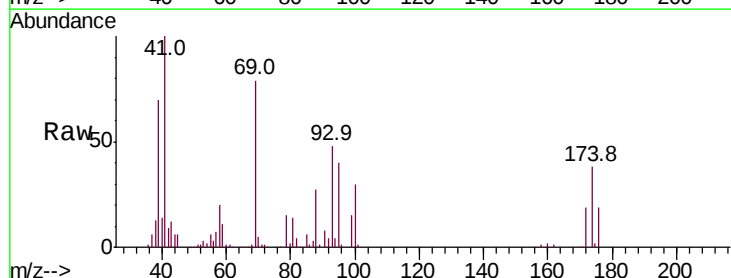
Tgt Ion: 41 Resp: 93502

Ion Ratio Lower Upper

41 100

69 81.5 65.9 98.9

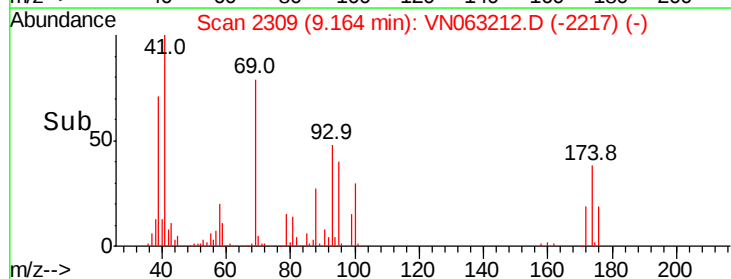
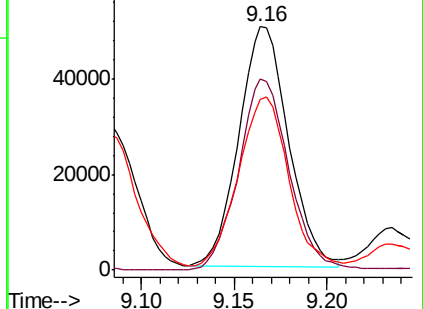
39 71.1 52.0 78.0

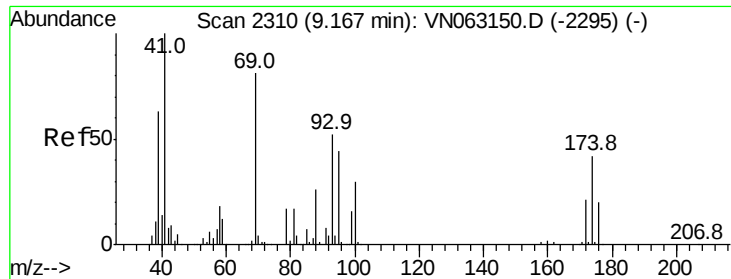


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

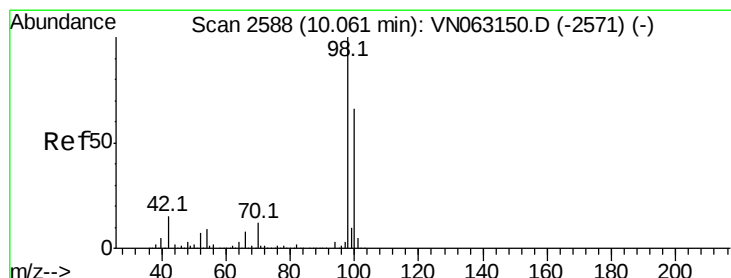
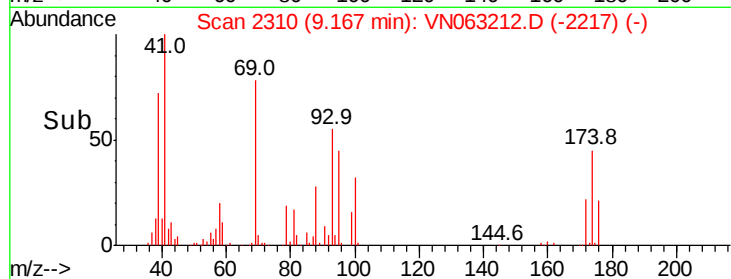
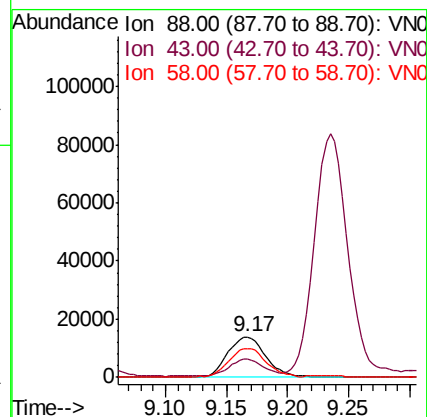
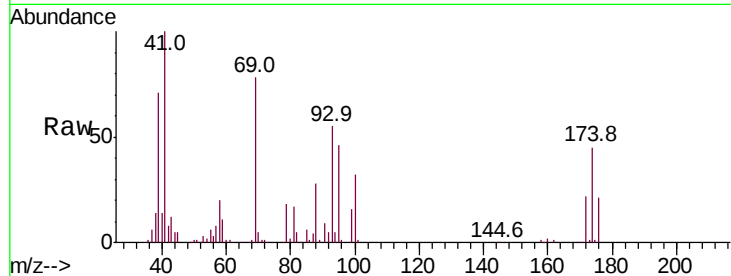




#49
1,4-Dioxane
Concen: 413.819 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

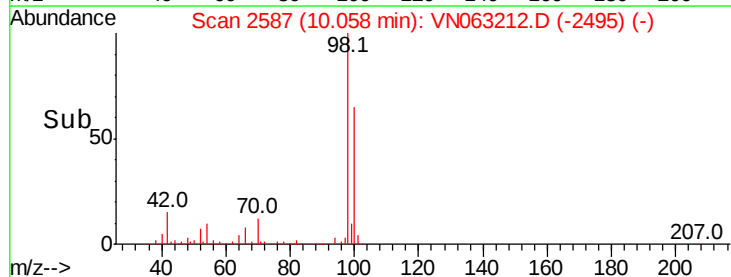
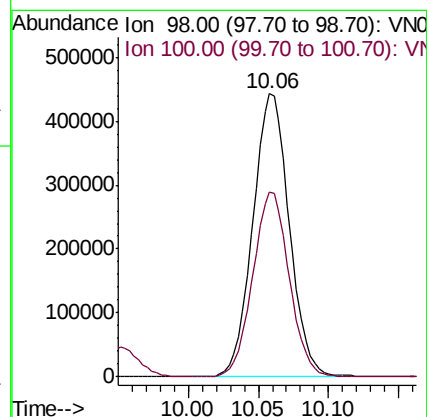
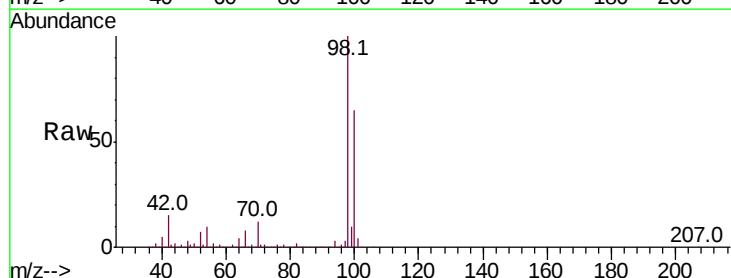
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

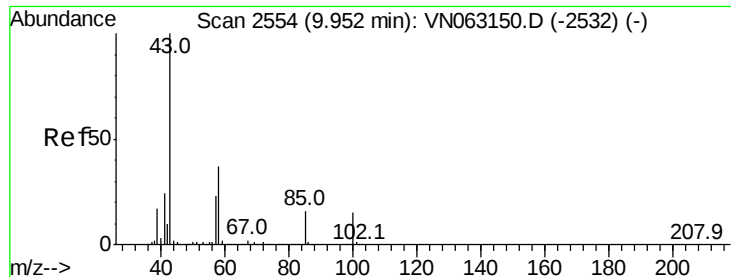
Tot Ion: 88 Resp: 30399
Ion Ratio Lower Upper
88 100
43 38.0 28.6 42.8
58 71.2 53.2 79.8



#50
Toluene-d8
Concen: 48.233 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 98 Resp: 800355
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 104.171 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

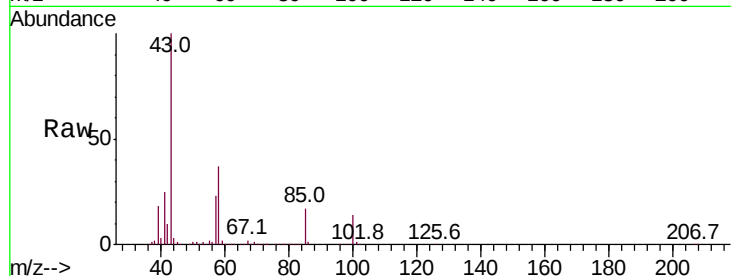
VN0903WBSD01

Tot Ion: 43 Resp: 596387

Ion Ratio Lower Upper

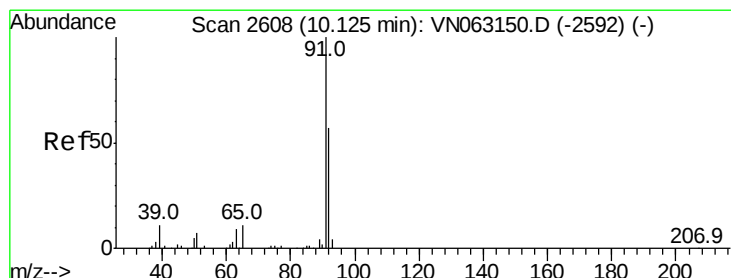
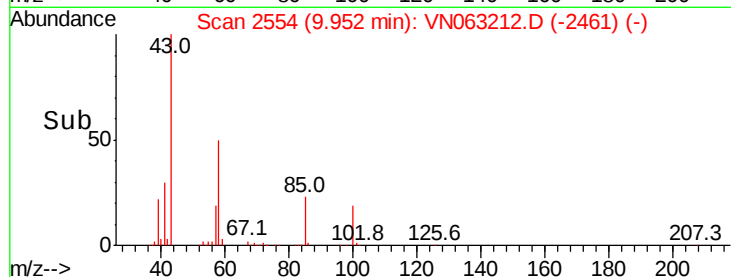
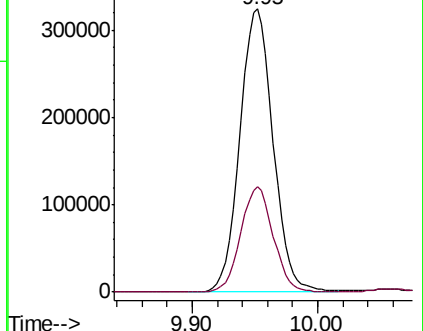
43 100

58 36.6 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.095 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063212.D

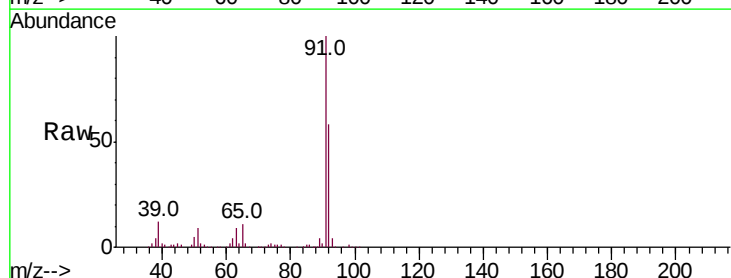
Acq: 3 Sep 2020 12:00

Tgt Ion: 92 Resp: 225810

Ion Ratio Lower Upper

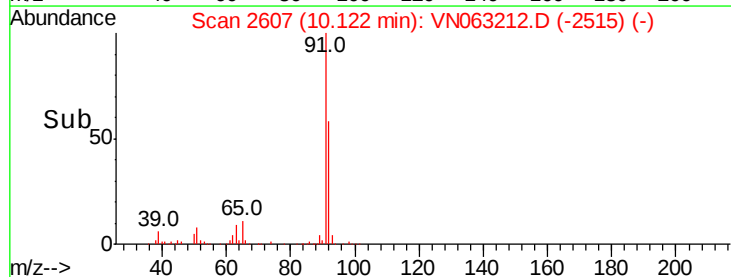
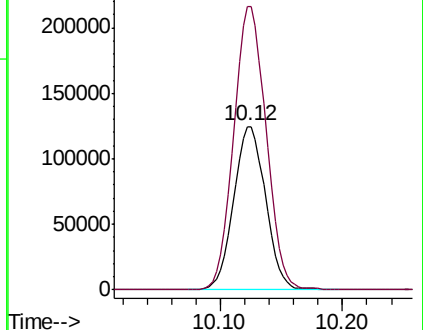
92 100

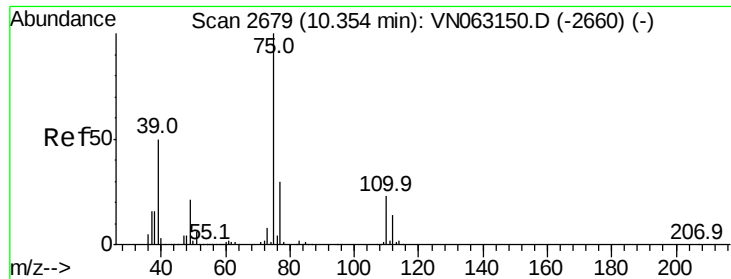
91 176.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.197 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

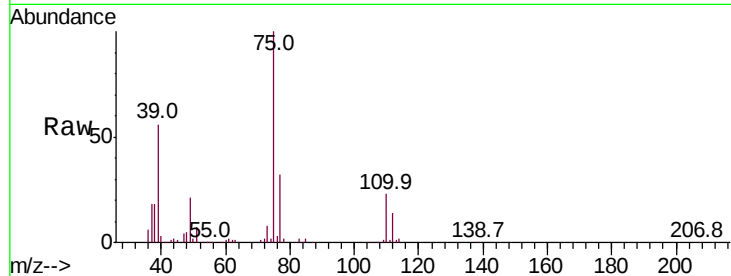
VN0903WBSD01

Tot Ion: 75 Resp: 142115

Ion Ratio Lower Upper

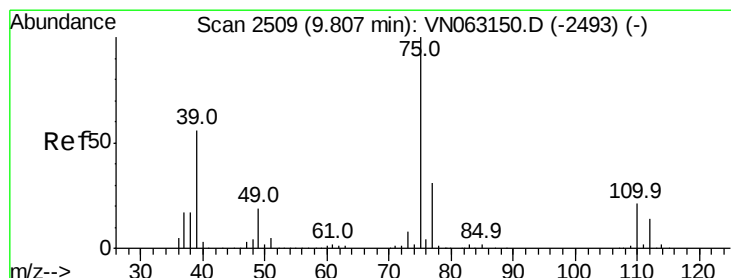
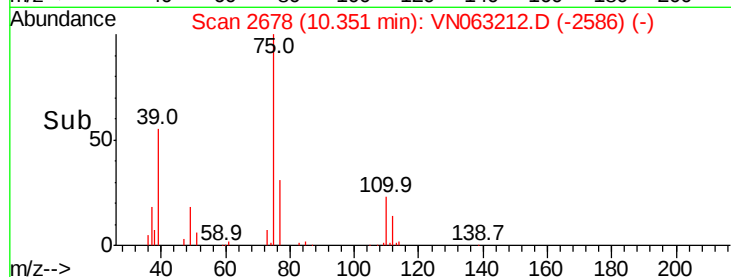
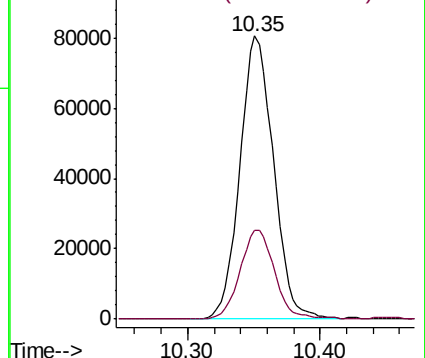
75 100

77 31.3 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.869 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

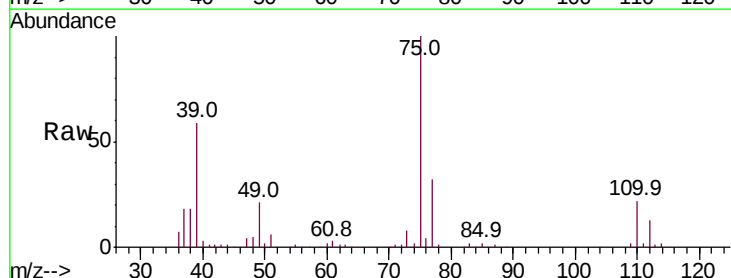
Tgt Ion: 75 Resp: 154688

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

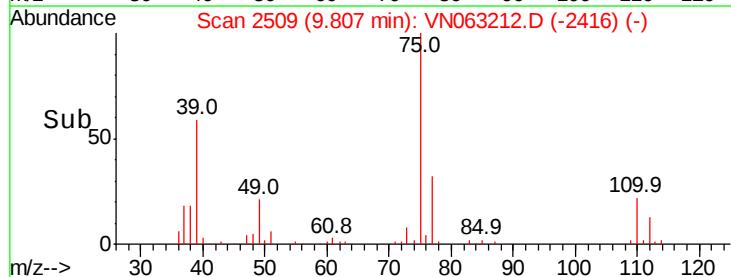
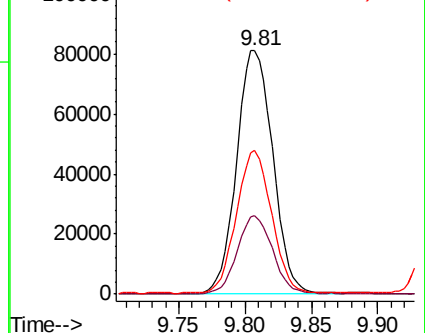
39 58.4 45.0 67.6

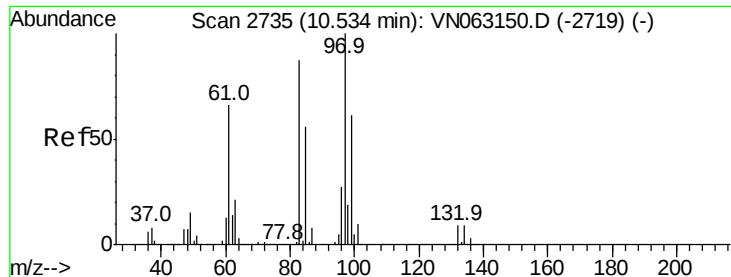


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

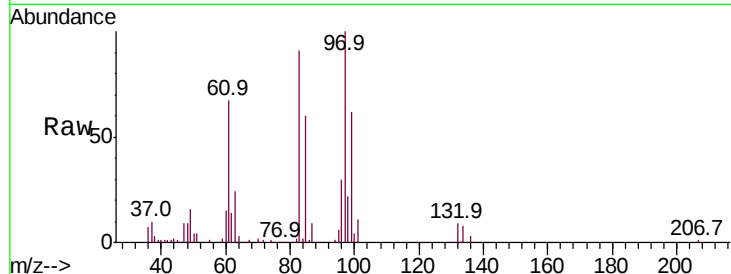




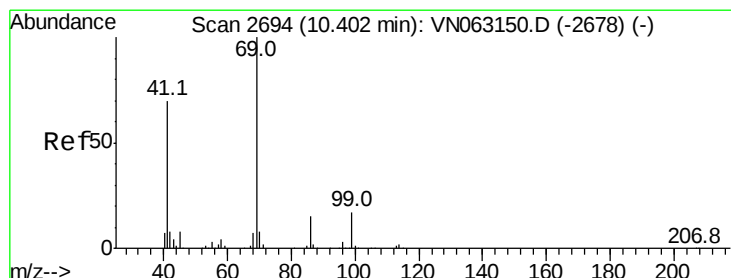
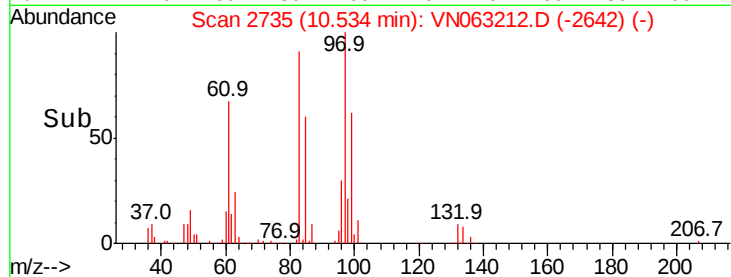
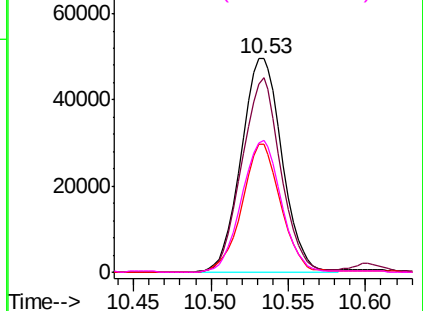
#55
 1,1,2-Trichloroethane
 Concen: 20.144 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion:	97	Resp:	91232
Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.8	104.8
85	59.7	44.9	67.3
99	61.9	48.8	73.2

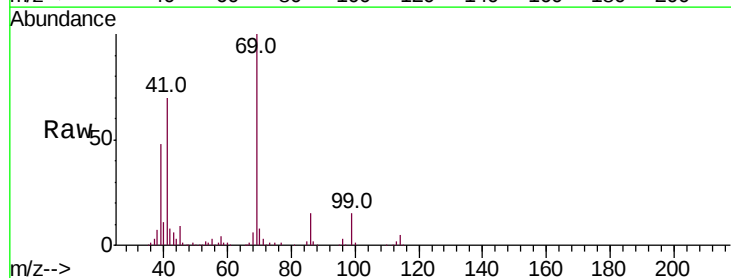


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

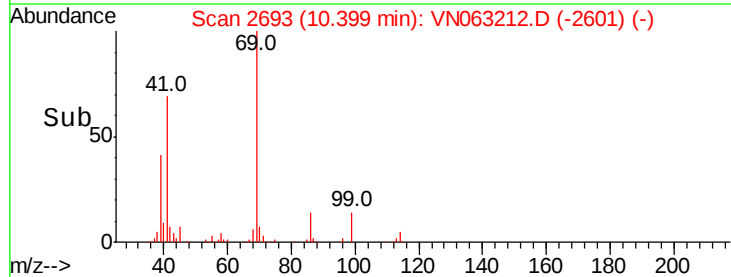
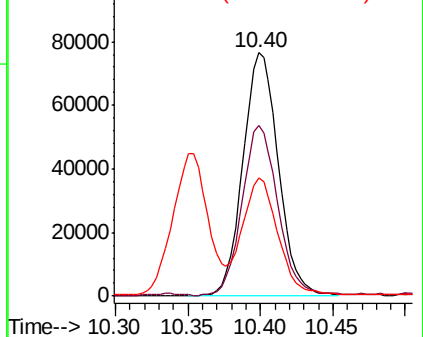


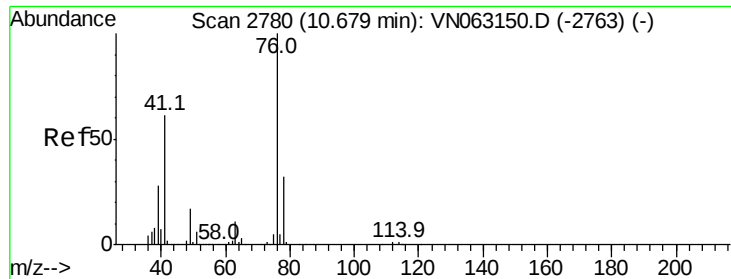
#56
 Ethyl methacrylate
 Concen: 18.930 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion:	69	Resp:	130469
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.5	83.3
39	48.0	38.2	57.2



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.173 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

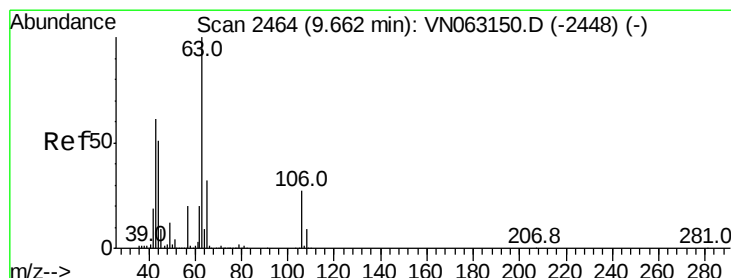
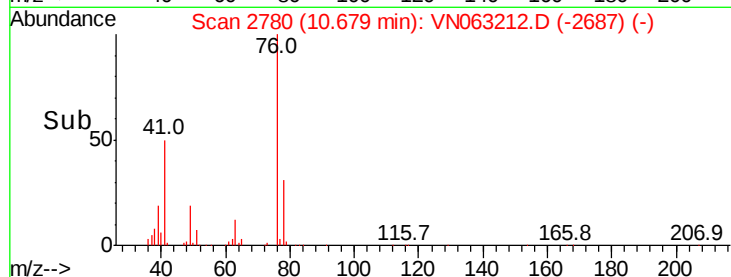
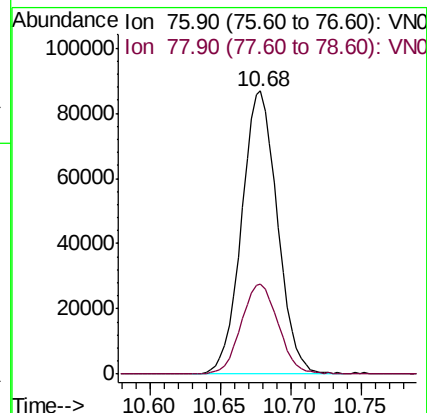
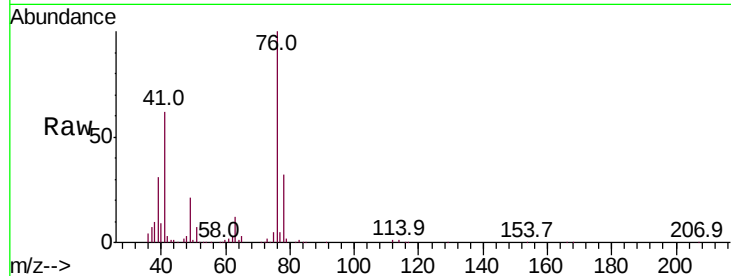
VN0903WBSD01

Tot Ion: 76 Resp: 154693

Ion Ratio Lower Upper

76 100

78 32.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 91.184 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063212.D

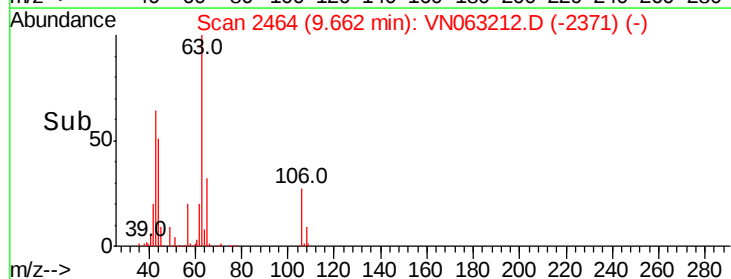
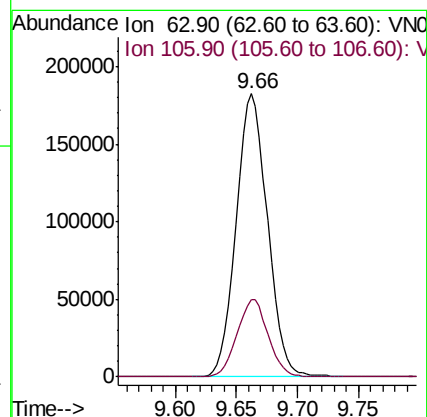
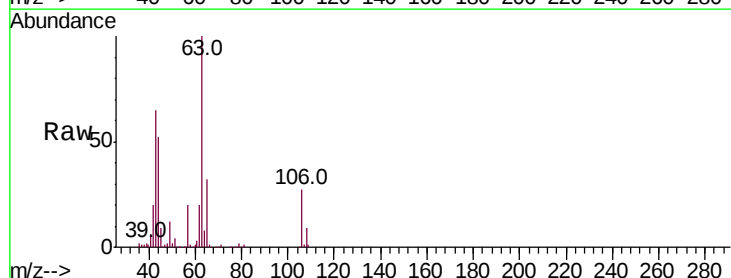
Acq: 3 Sep 2020 12:00

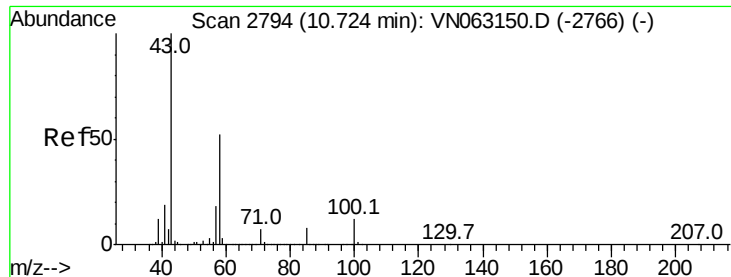
Tgt Ion: 63 Resp: 325446

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.6

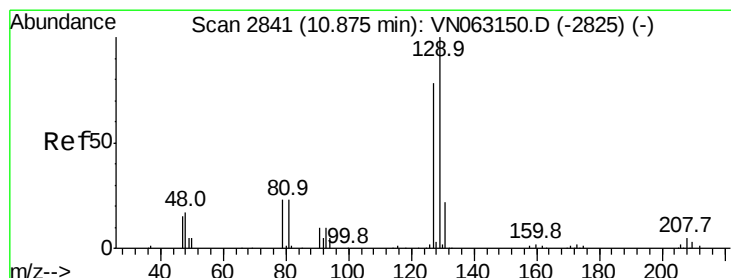
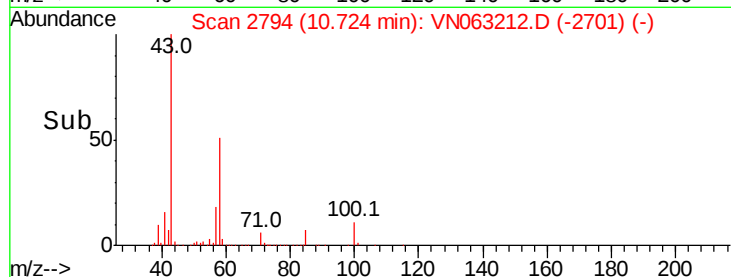
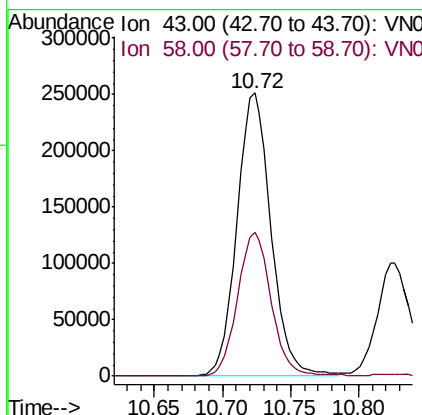
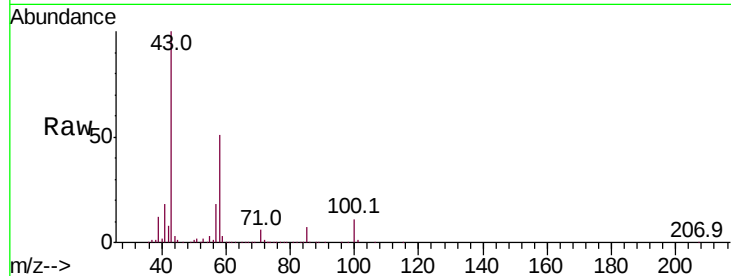




#59
2-Hexanone
Concen: 107.445 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

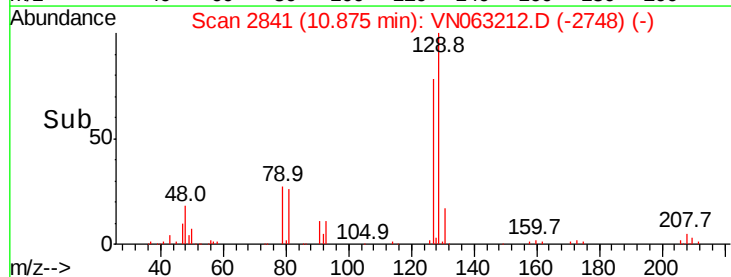
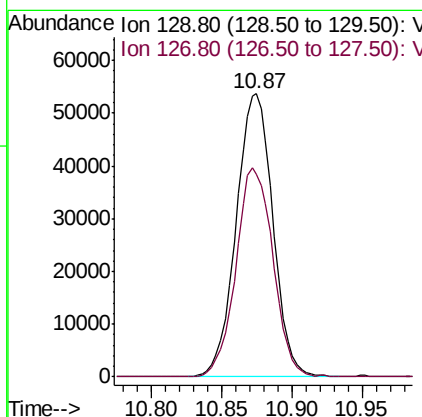
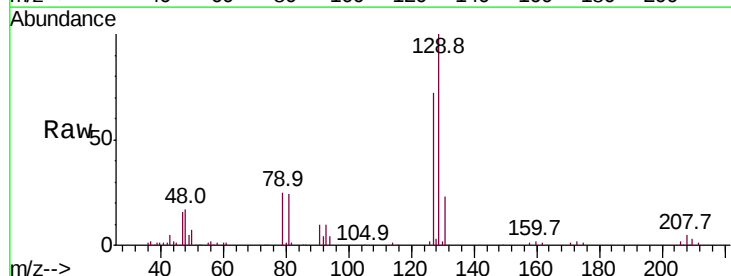
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

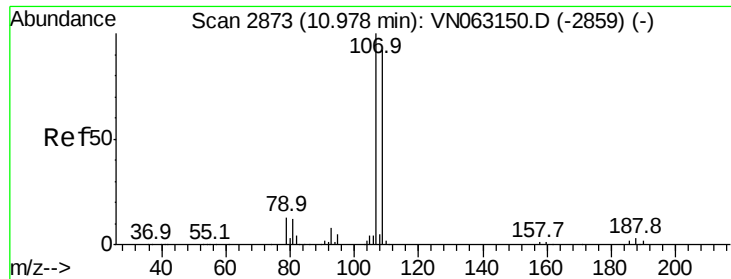
Tot Ion: 43 Resp: 432304
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.8



#60
Dibromochloromethane
Concen: 19.538 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 129 Resp: 97830
Ion Ratio Lower Upper
129 100
127 74.4 39.0 117.0

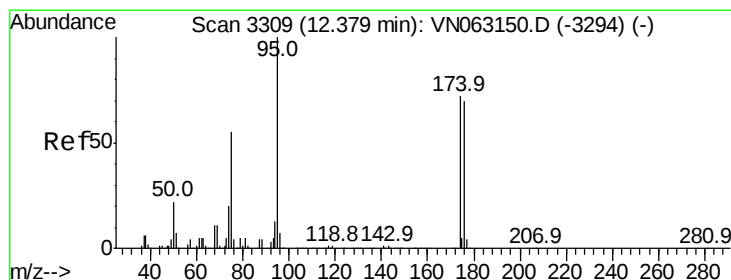
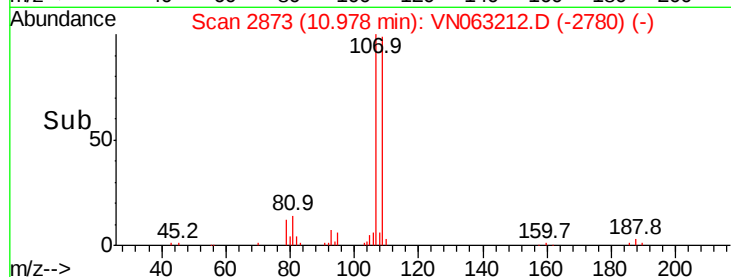
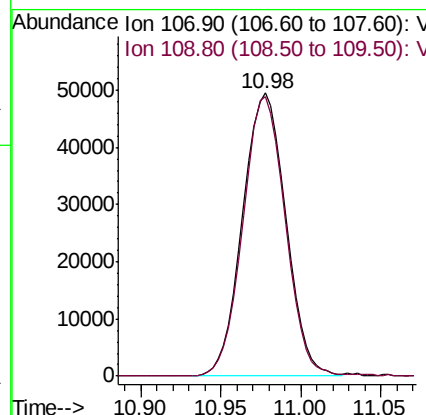
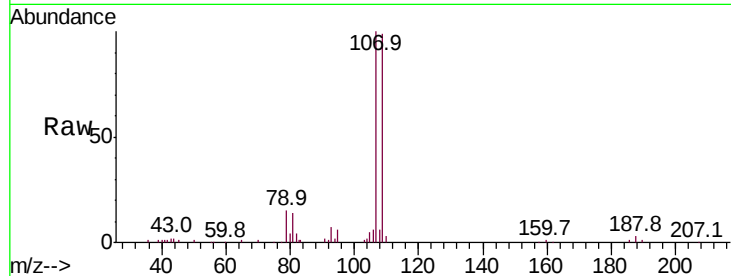




#61
 1,2-Dibromoethane
 Concen: 19.429 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

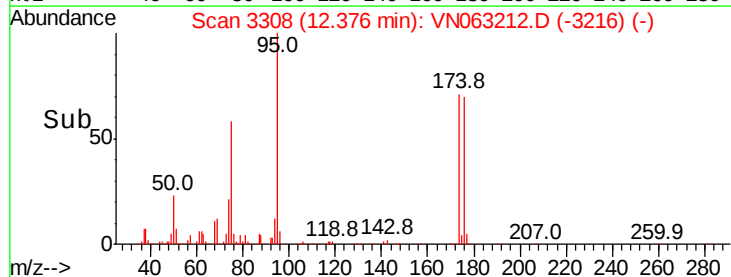
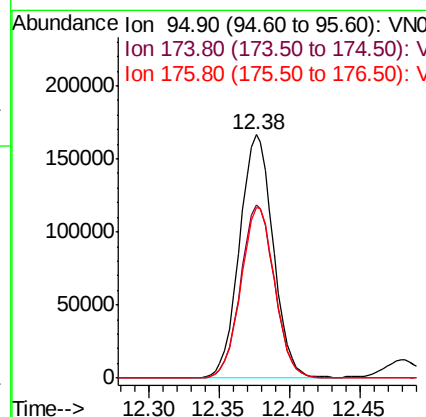
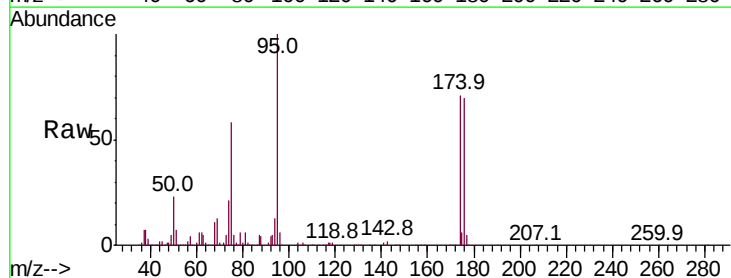
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

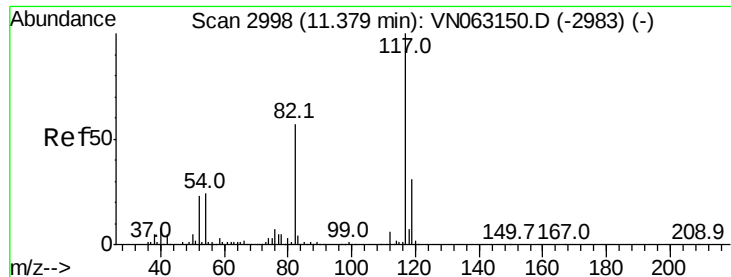
Tot Ion:107 Resp: 91471
 Ion Ratio Lower Upper
 107 100
 109 96.9 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 48.173 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 95 Resp: 279620
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 143.8
 176 70.6 0.0 138.4

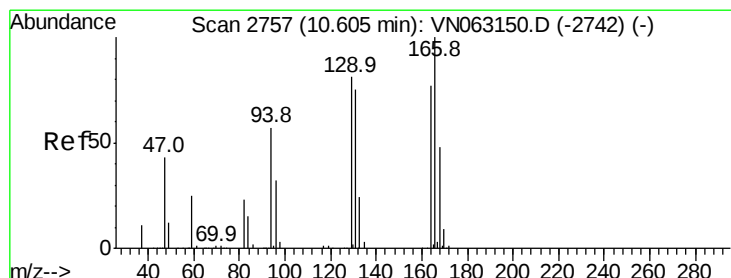
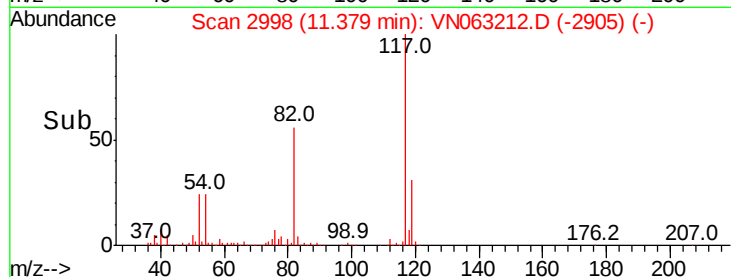
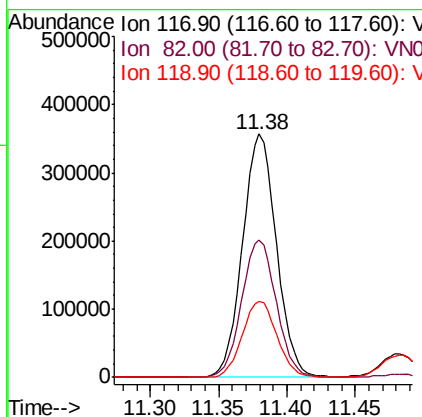
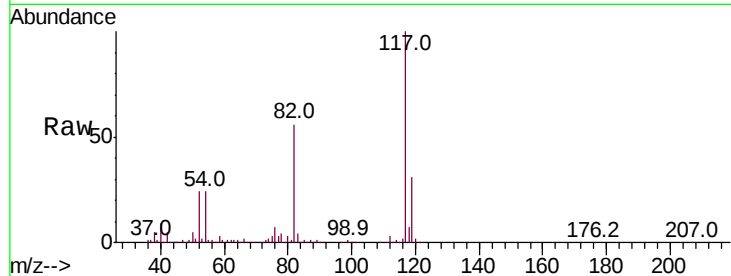




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

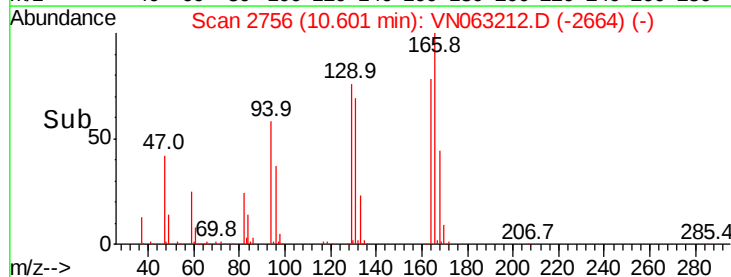
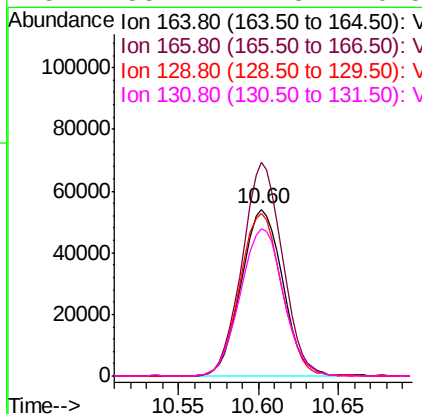
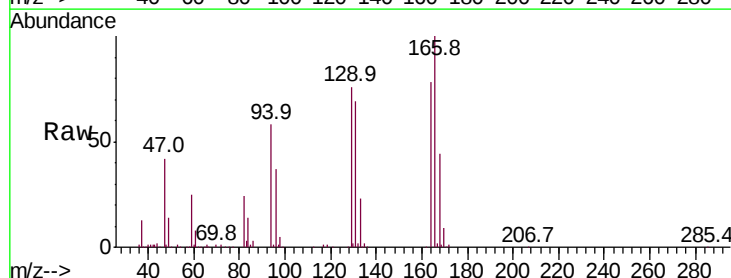
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

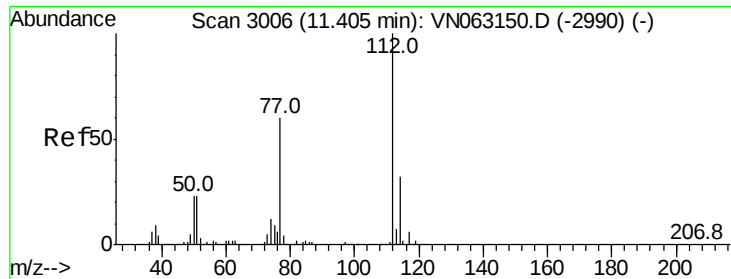
Tot Ion:117 Resp: 616060
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.0
119 31.4 24.6 37.0



#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion:164 Resp: 96335
Ion Ratio Lower Upper
164 100
166 127.9 103.4 155.2
129 97.3 83.4 125.0
131 88.4 77.8 116.8

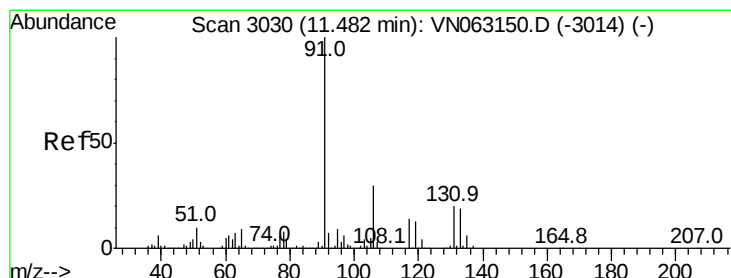
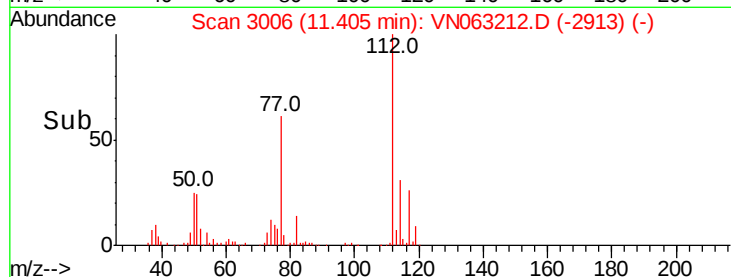
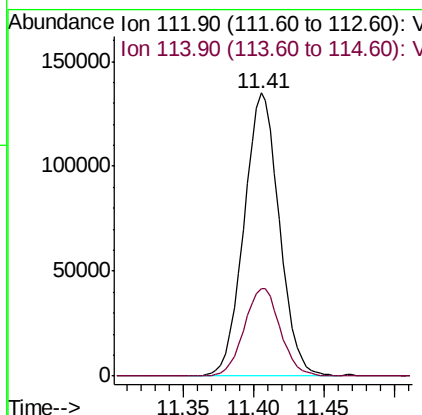
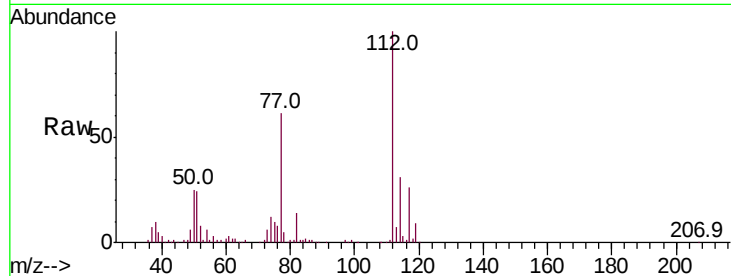




#65
Chlorobenzene
Concen: 19.052 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

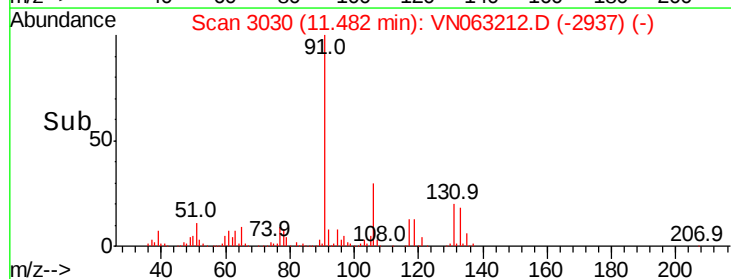
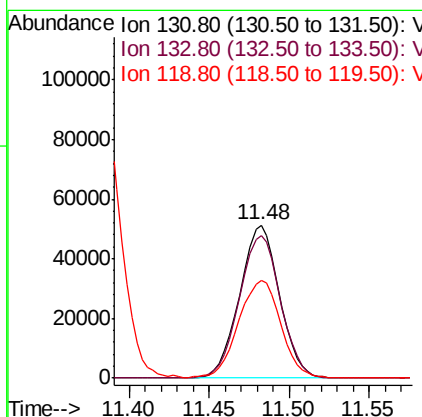
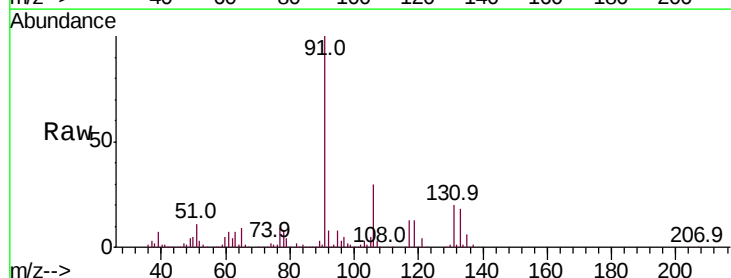
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

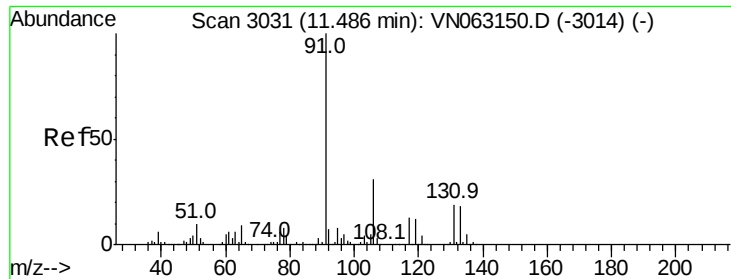
Tot Ion:112 Resp: 236405
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.856 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion:131 Resp: 86868
Ion Ratio Lower Upper
131 100
133 96.7 47.3 142.0
119 68.0 32.4 97.0





#67

Ethyl Benzene

Concen: 19.490 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

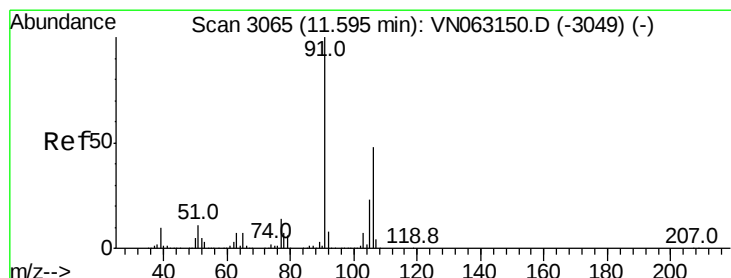
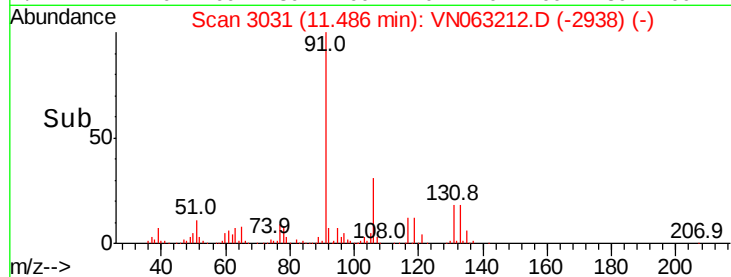
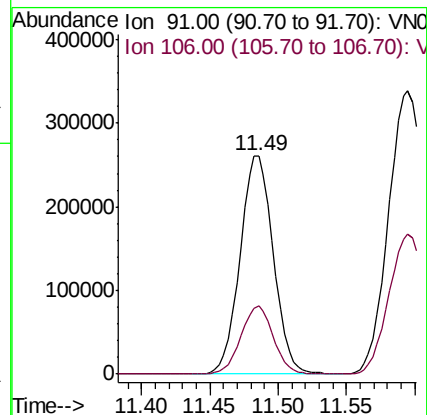
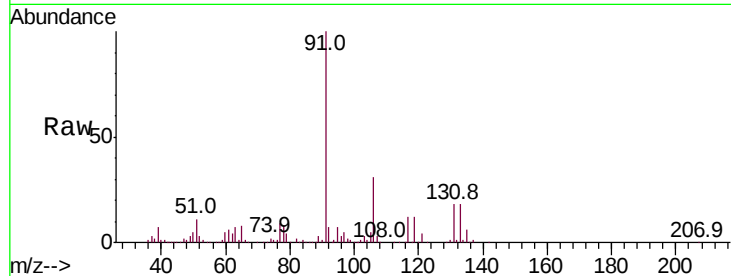
VN0903WBSD01

Tot Ion: 91 Resp: 441187

Ion Ratio Lower Upper

91 100

106 31.2 24.4 36.6



#68

m/p-Xylenes

Concen: 38.599 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063212.D

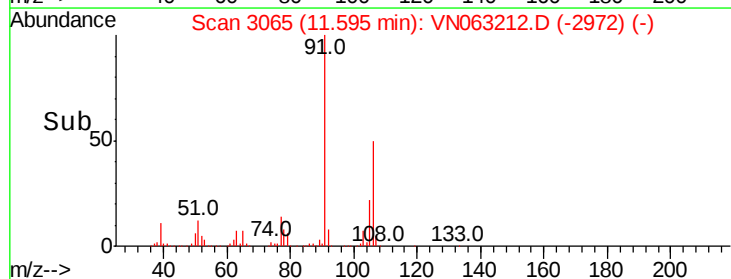
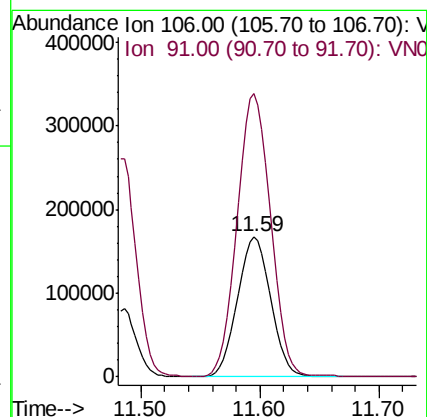
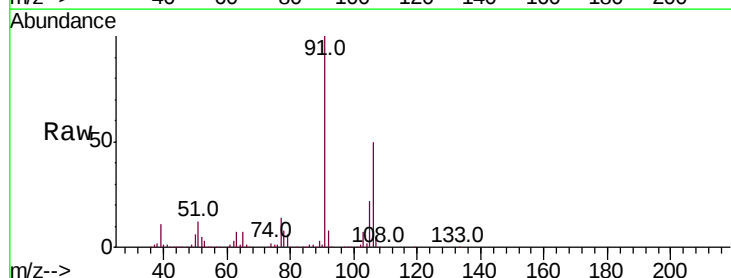
Acq: 3 Sep 2020 12:00

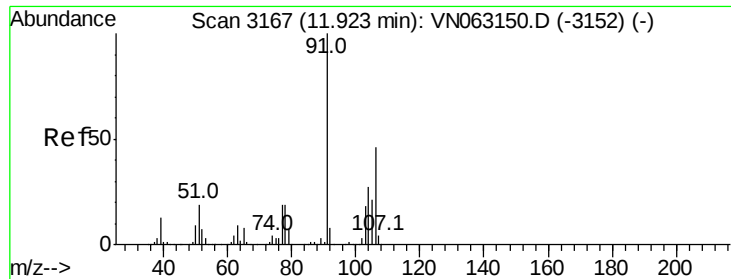
Tgt Ion: 106 Resp: 323604

Ion Ratio Lower Upper

106 100

91 203.1 166.7 250.1

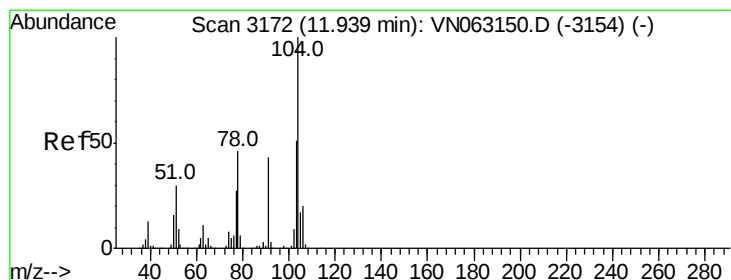
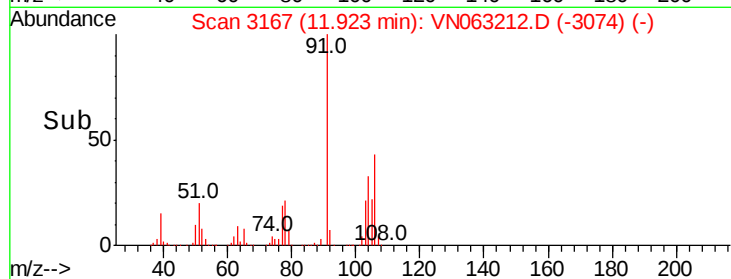
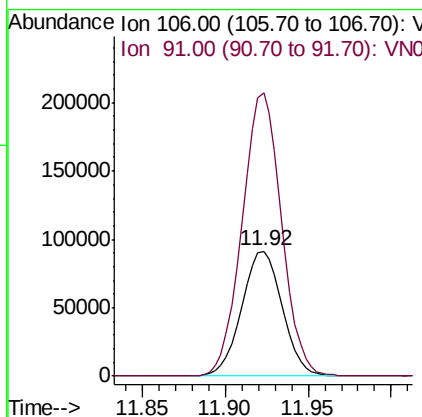
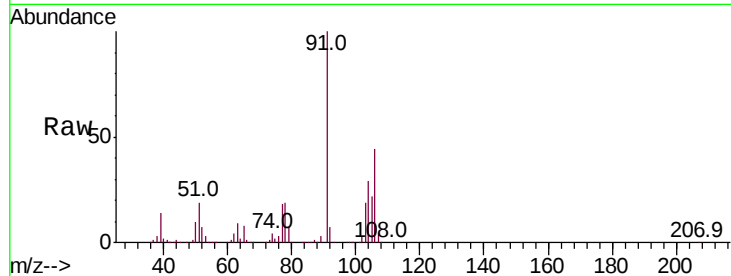




#69
o-Xylene
Concen: 19.242 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

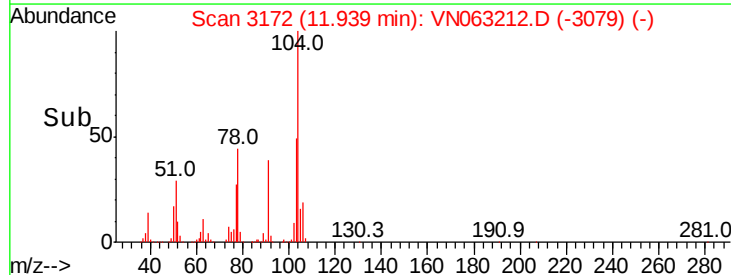
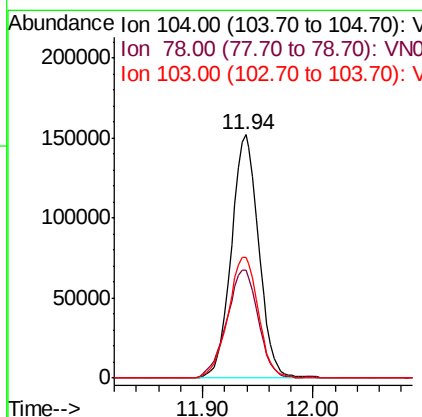
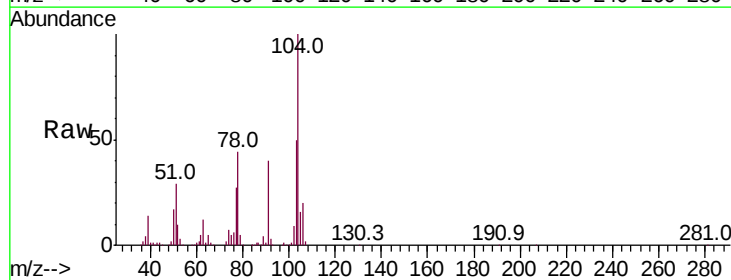
Instrument :
MSVOA_N
ClientSampled :
VN0903WBSD01

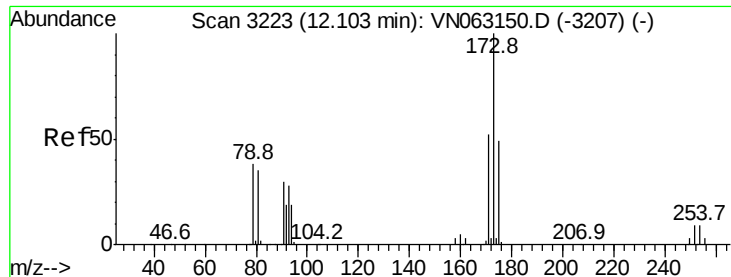
Tot Ion:106 Resp: 155842
Ion Ratio Lower Upper
106 100
91 220.3 108.6 325.6



#70
Styrene
Concen: 18.839 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion:104 Resp: 262215
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 54.9 43.8 65.8





#71

Bromoform

Concen: 18.476 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

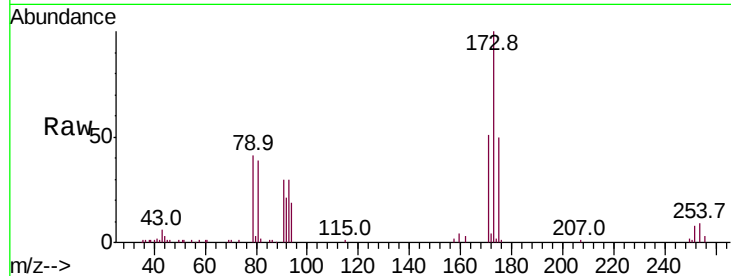
Tot Ion:173 Resp: 57763

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

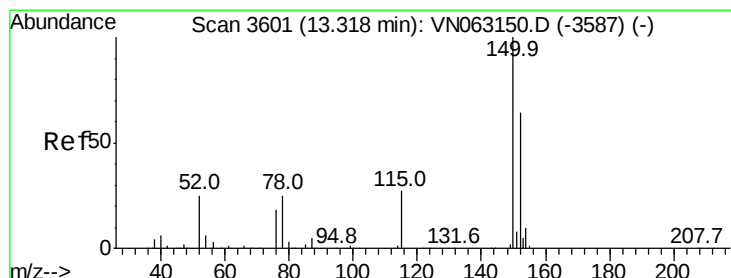
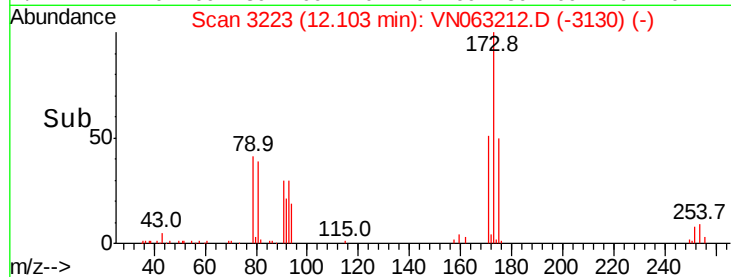
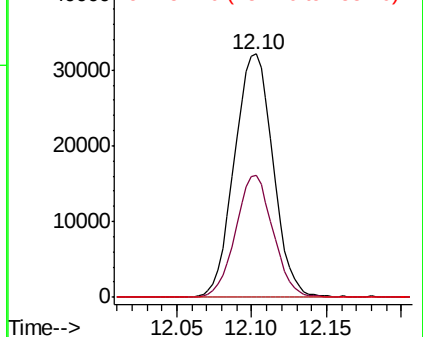
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

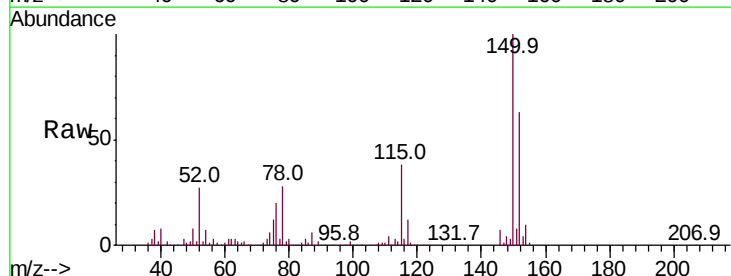
Tgt Ion:152 Resp: 280404

Ion Ratio Lower Upper

152 100

115 62.0 32.0 96.2

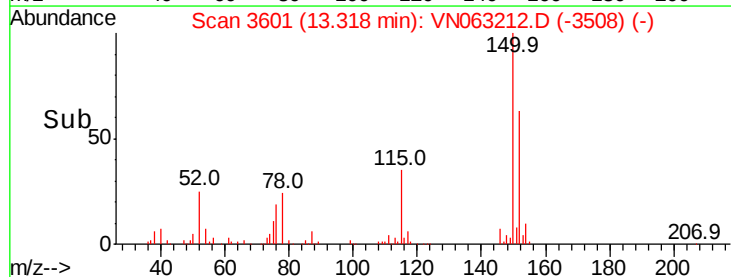
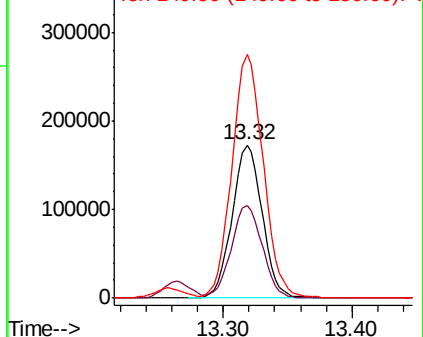
150 165.4 0.0 353.0

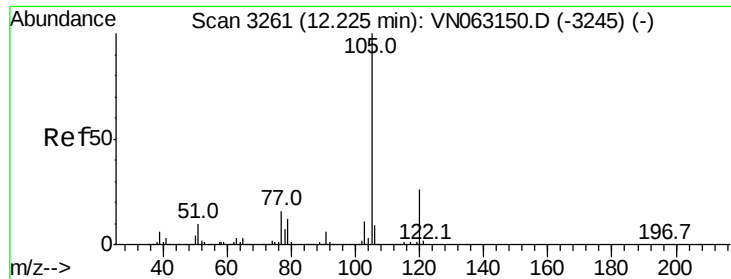


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.537 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

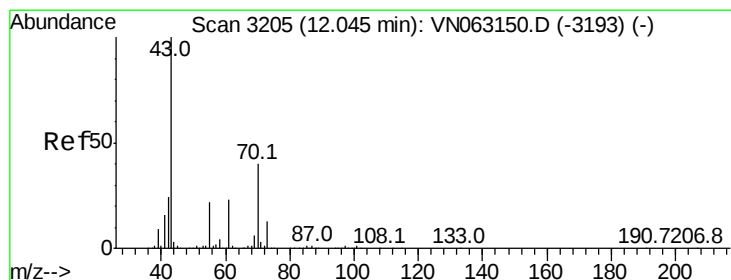
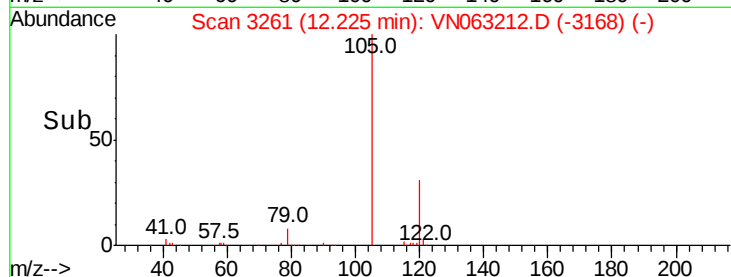
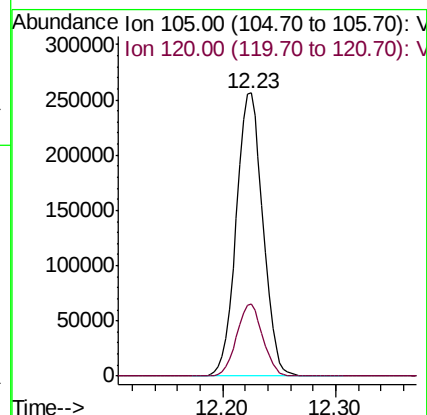
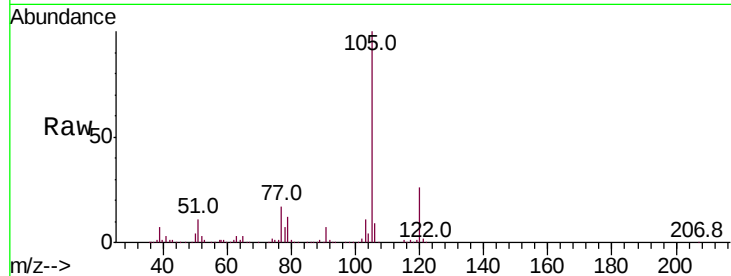
VN0903WBSD01

Tot Ion:105 Resp: 420183

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.6



#74

N-ethyl acetate

Concen: 18.696 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion: 43 Resp: 166555

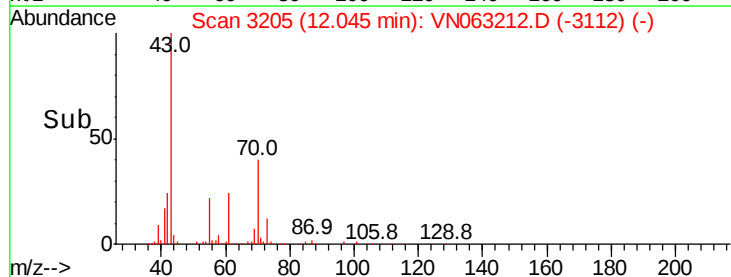
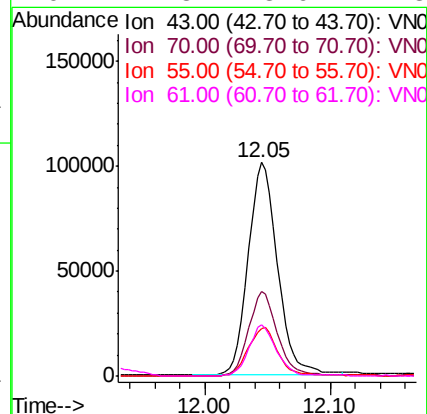
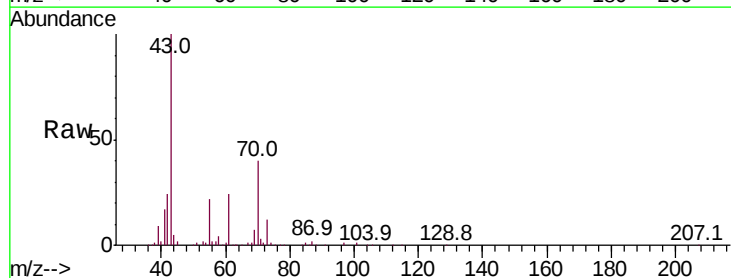
Ion Ratio Lower Upper

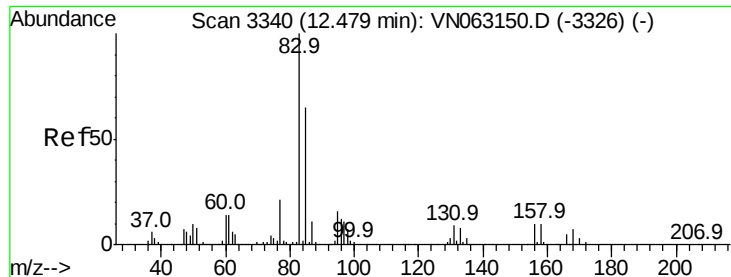
43 100

70 38.7 32.1 48.1

55 23.2 17.4 26.0

61 22.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.531 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

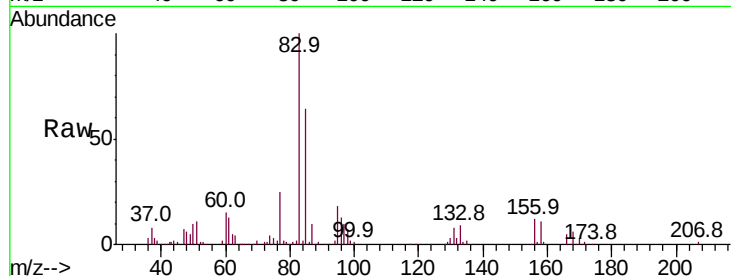
Tot Ion: 83 Resp: 121101

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.0

85 64.5 32.7 98.1



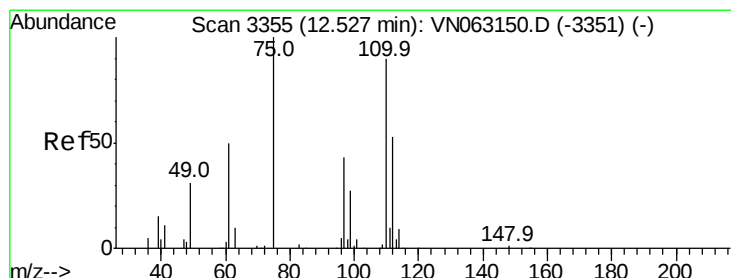
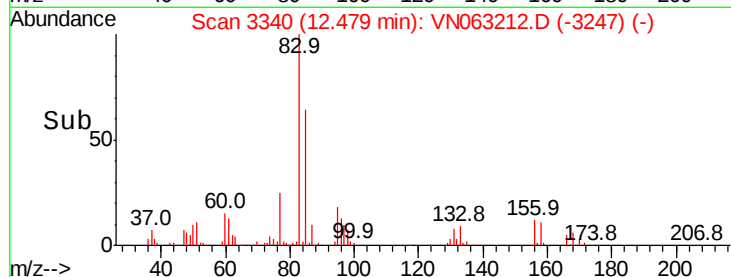
Abundance Ion 82.90 (82.60 to 83.60): VN063212.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063212.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063212.D (-3247) (-)

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.533 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063212.D

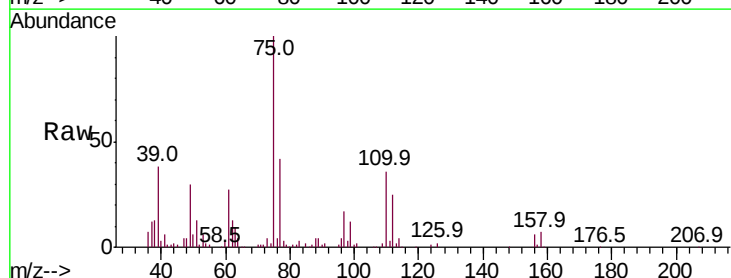
Acq: 3 Sep 2020 12:00

Tgt Ion: 75 Resp: 162708

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

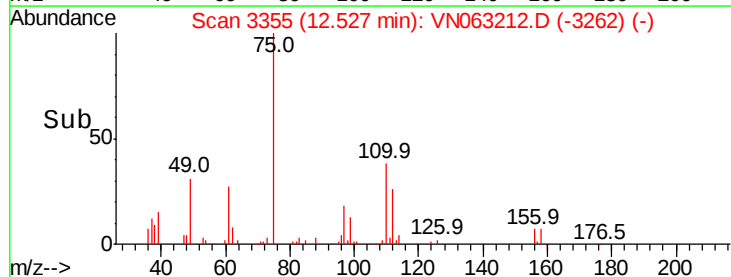


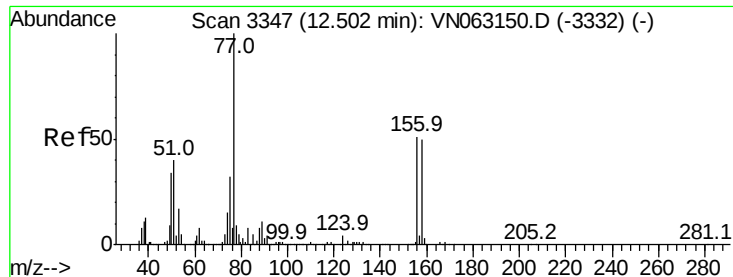
Abundance Ion 74.90 (74.60 to 75.60): VN063212.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063212.D (-3262) (-)

12.53

Time-->





#77

Bromobenzene

Concen: 19.688 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

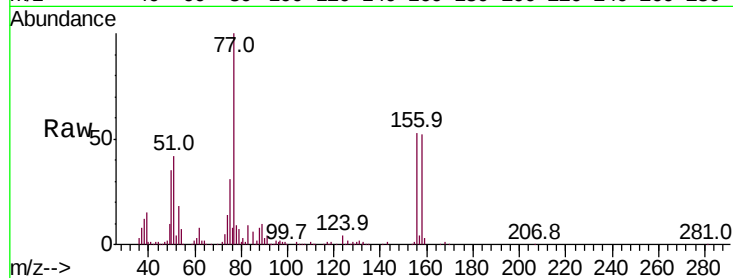
Tot Ion:156 Resp: 95761

Ion Ratio Lower Upper

156 100

77 224.3 116.1 348.3

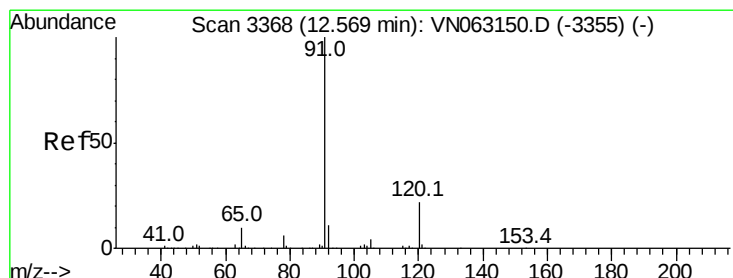
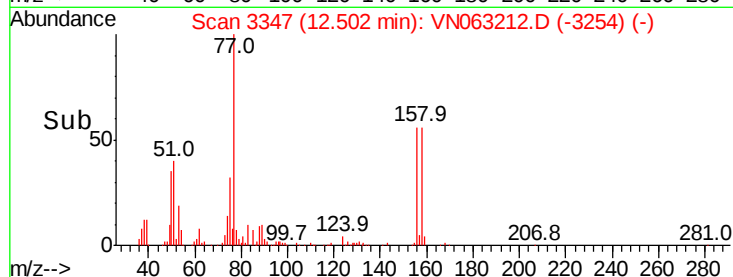
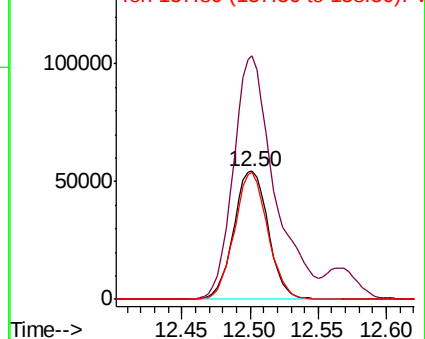
158 95.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.631 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063212.D

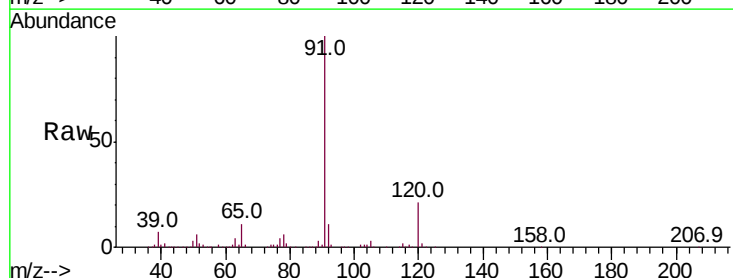
Acq: 3 Sep 2020 12:00

Tgt Ion: 91 Resp: 488540

Ion Ratio Lower Upper

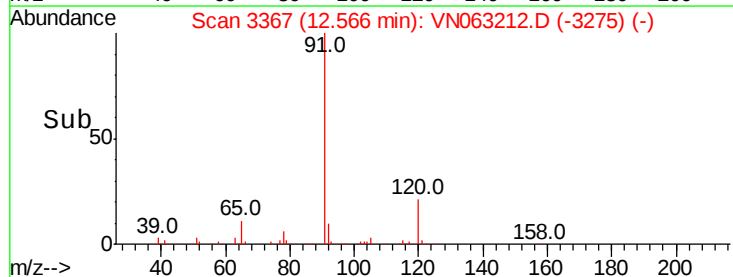
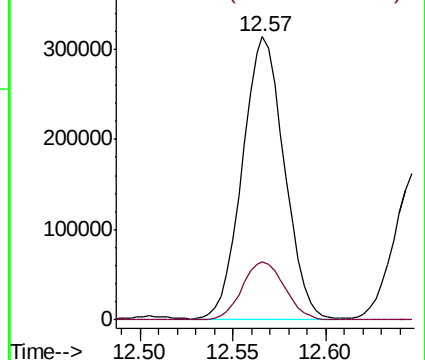
91 100

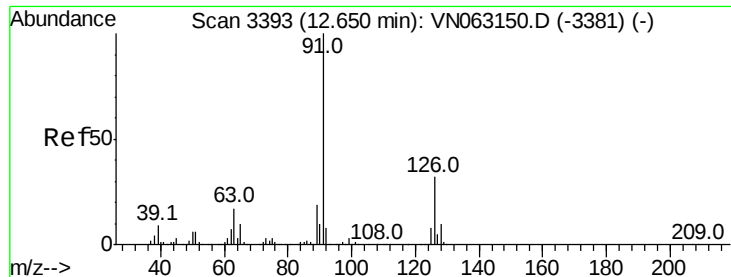
120 21.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

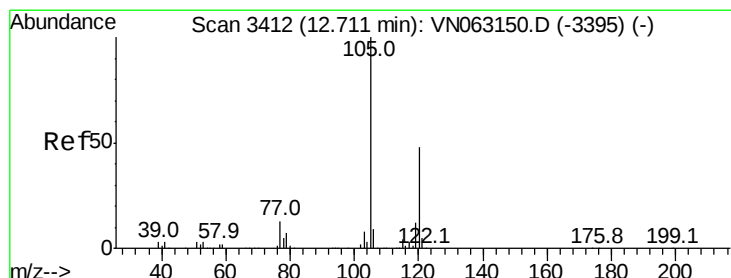
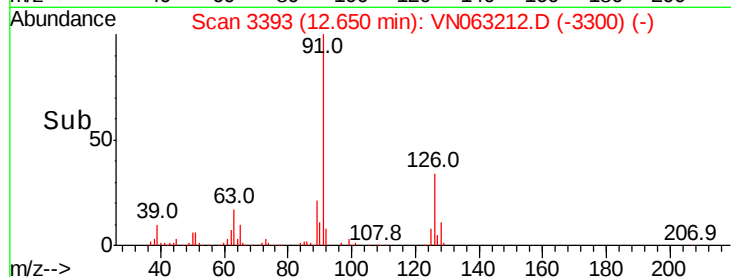
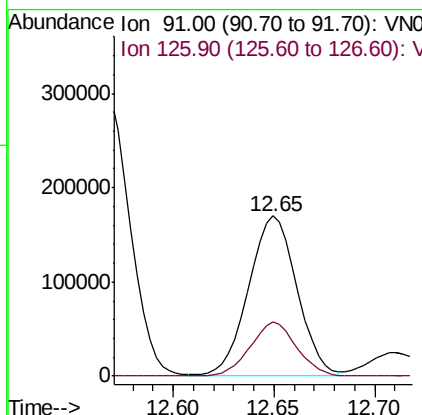
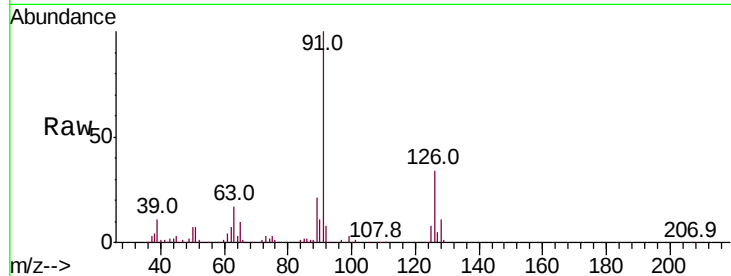




#79
 2-Chlorotoluene
 Concen: 18.929 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

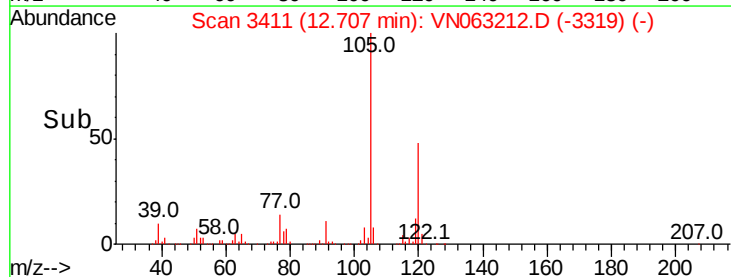
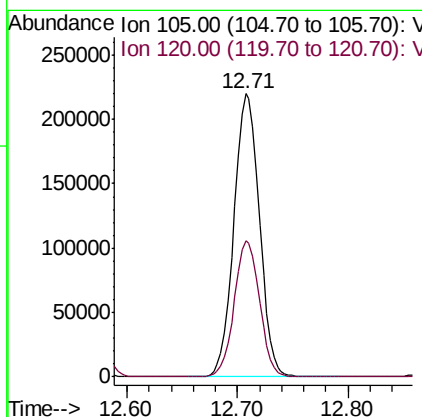
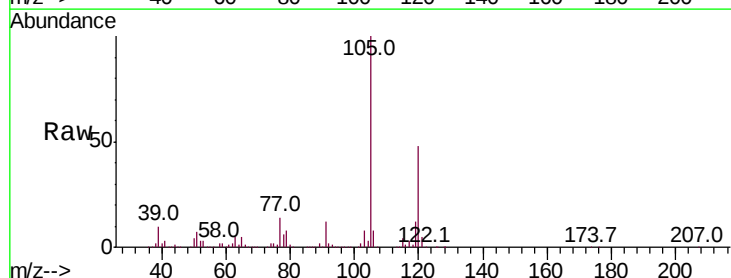
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

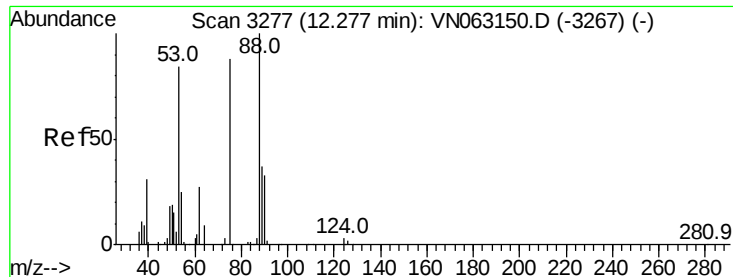
Tot Ion: 91 Resp: 282157
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.712 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion:105 Resp: 352867
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.963 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

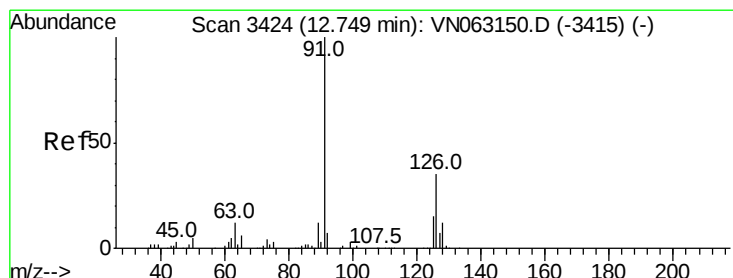
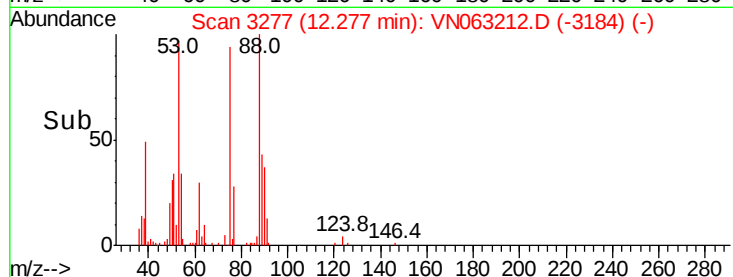
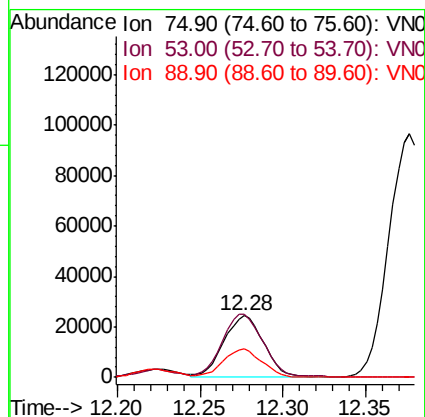
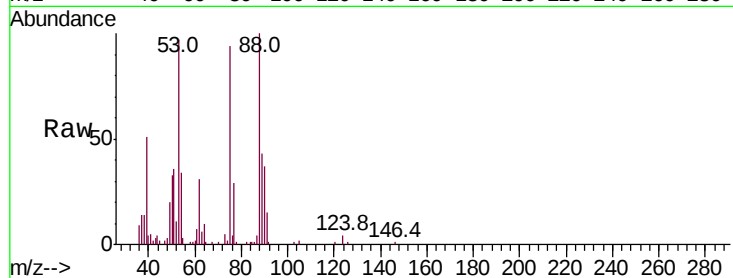
Tot Ion: 75 Resp: 40946

Ion Ratio Lower Upper

75 100

53 100.7 78.7 118.1

89 43.0 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.276 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063212.D

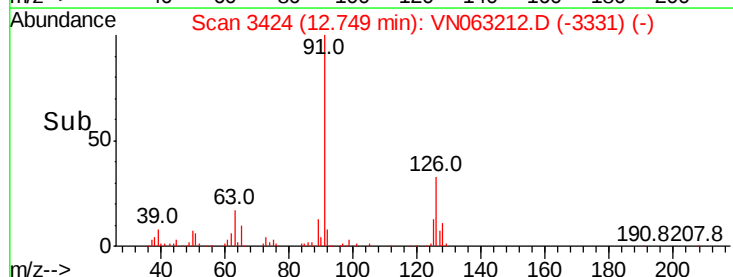
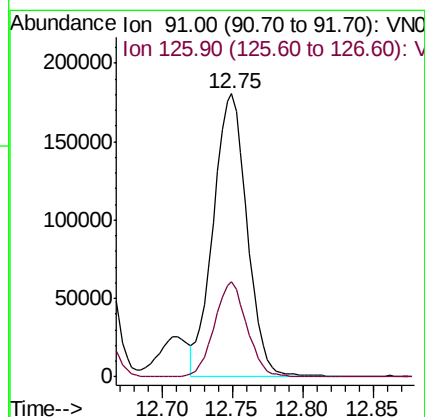
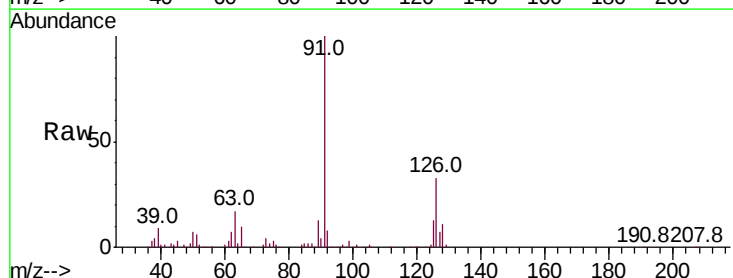
Acq: 3 Sep 2020 12:00

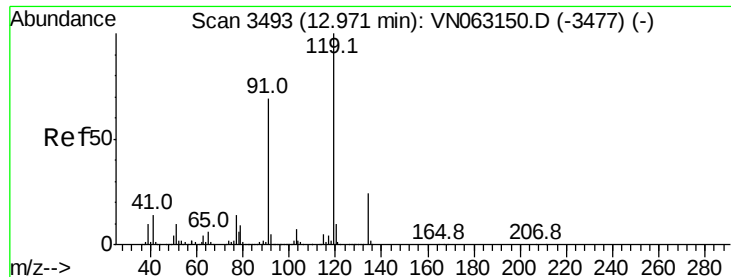
Tgt Ion: 91 Resp: 297994

Ion Ratio Lower Upper

91 100

126 32.1 16.2 48.5





#83

tert-Butylbenzene

Concen: 18.466 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

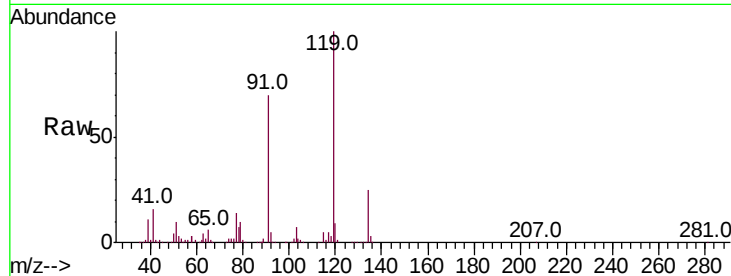
Tot Ion:119 Resp: 283499

Ion Ratio Lower Upper

119 100

91 69.4 33.7 101.0

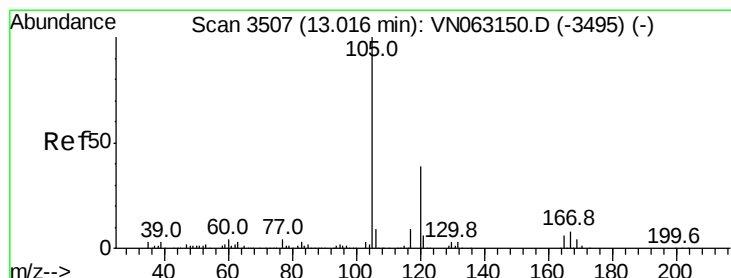
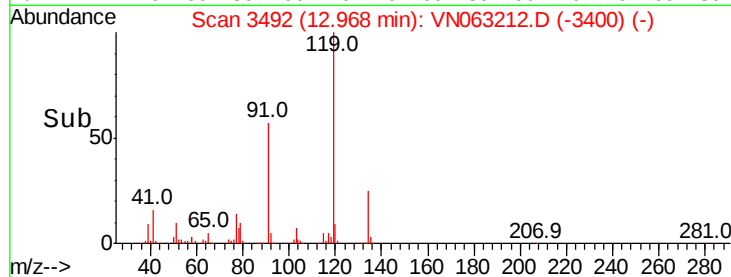
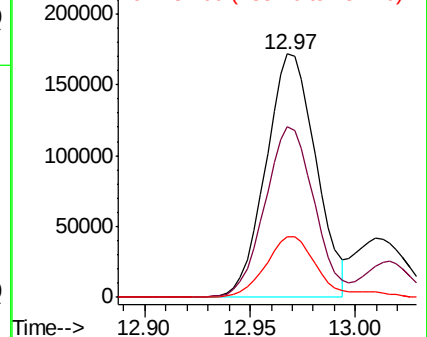
134 26.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.698 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063212.D

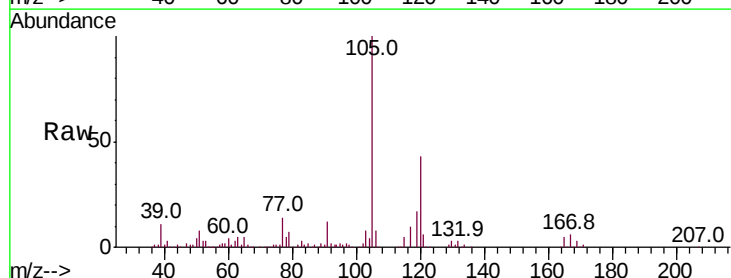
Acq: 3 Sep 2020 12:00

Tgt Ion:105 Resp: 355430

Ion Ratio Lower Upper

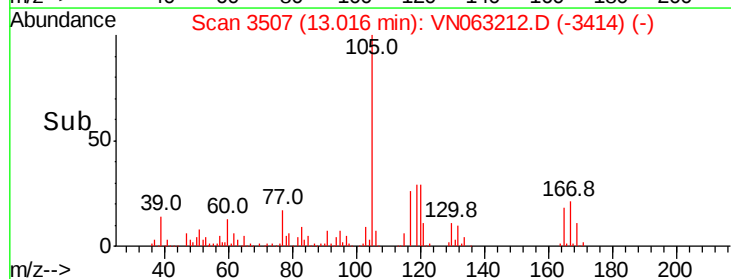
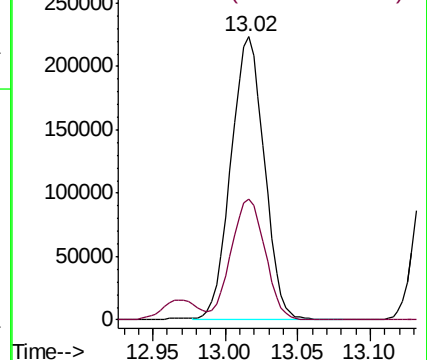
105 100

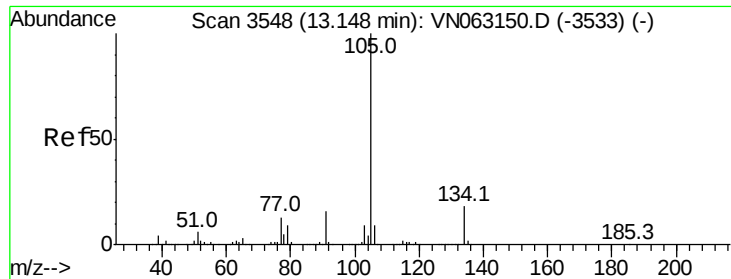
120 43.8 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

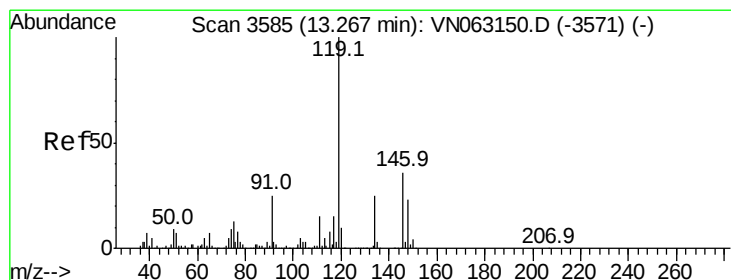
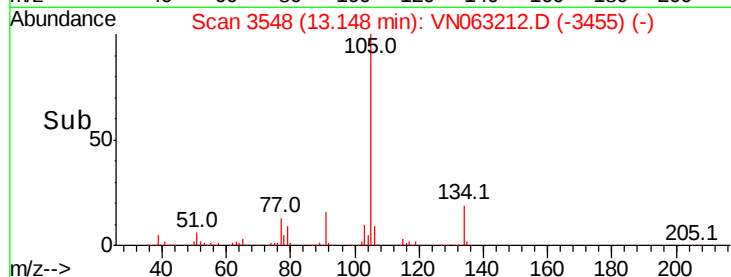
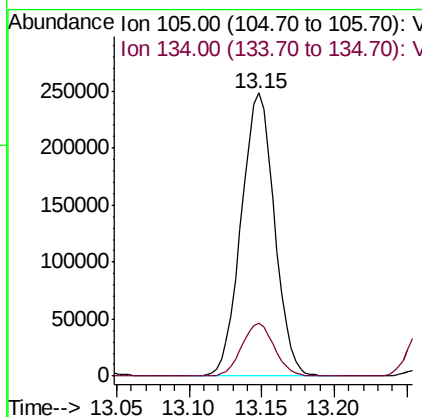
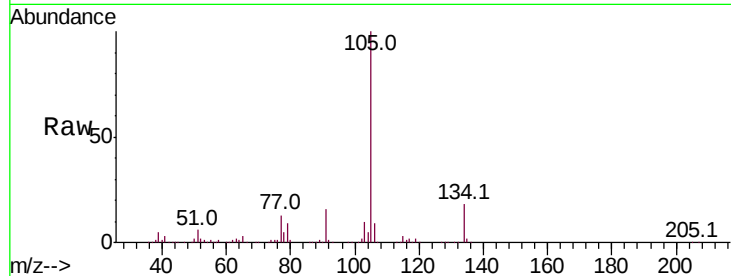




#85
 sec-Butylbenzene
 Concen: 19.726 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

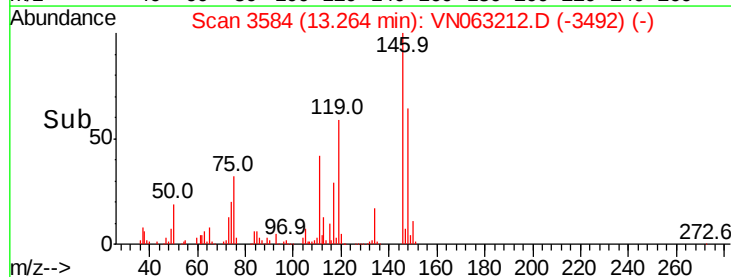
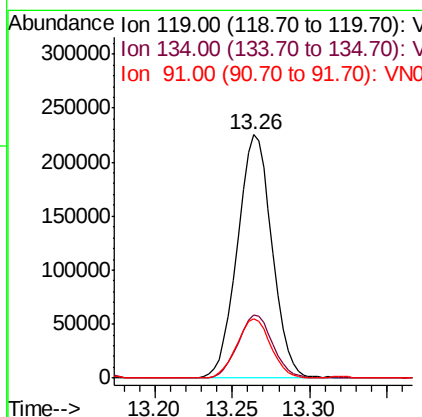
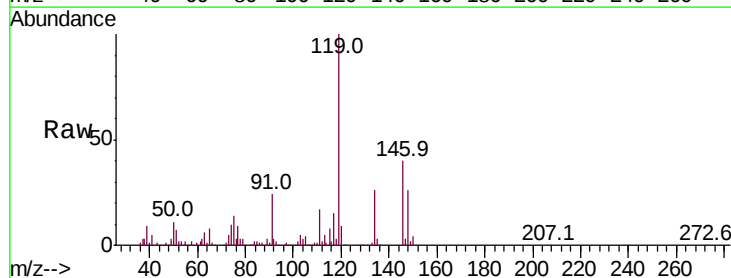
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0903WBSD01

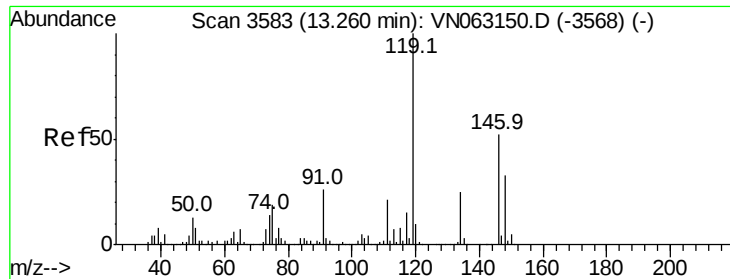
Tot Ion:105 Resp: 394691
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 19.662 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion:119 Resp: 349280
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.4 37.4
 91 23.9 12.2 36.6

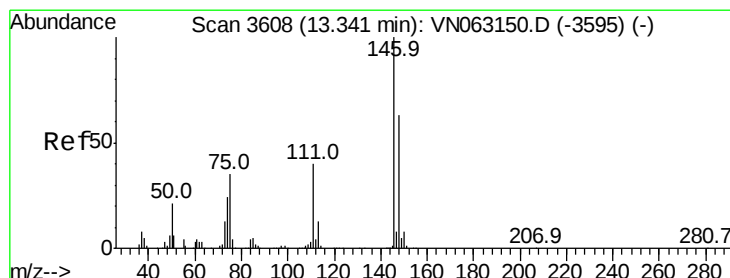
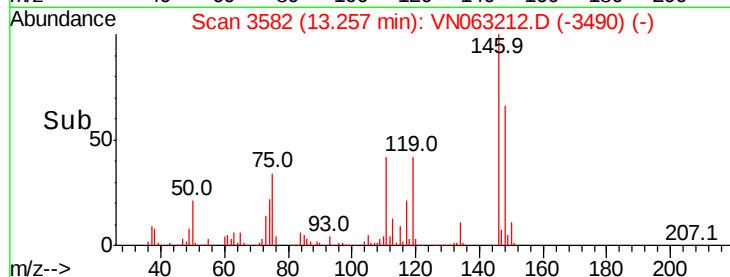
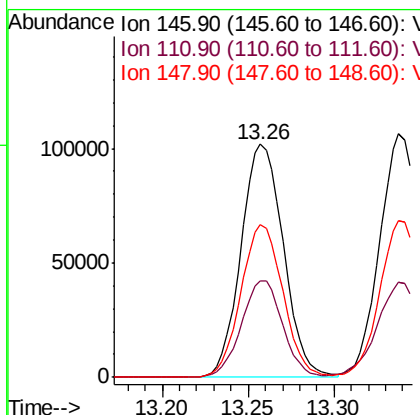
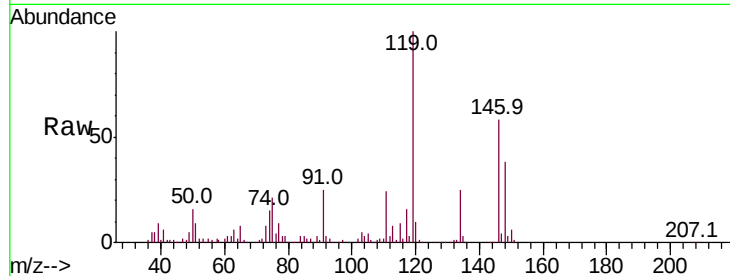




#87
 1,3-Dichlorobenzene
 Concen: 19.535 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

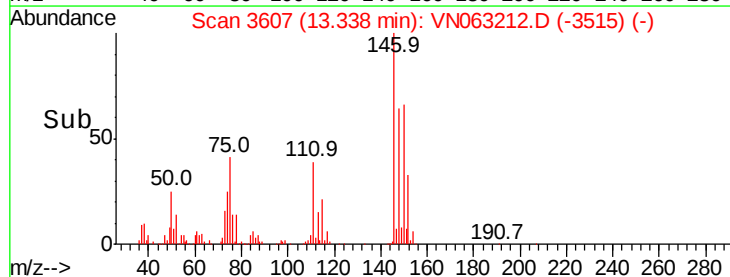
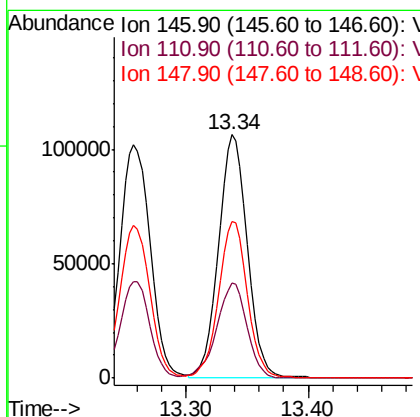
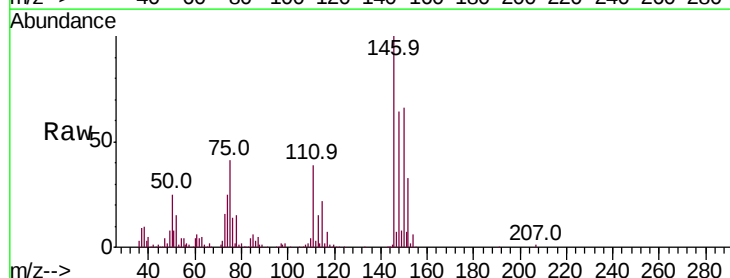
Instrument :
 MSVOA_N
 ClientSampled :
 VN0903WBSD01

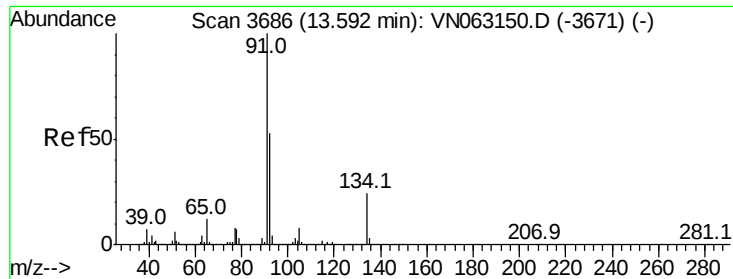
Tot Ion:146 Resp: 174548
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.3 63.7
 148 64.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.059 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion:146 Resp: 176333
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.5
 148 64.3 31.9 95.7





#89

n-Butylbenzene

Concen: 19.630 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

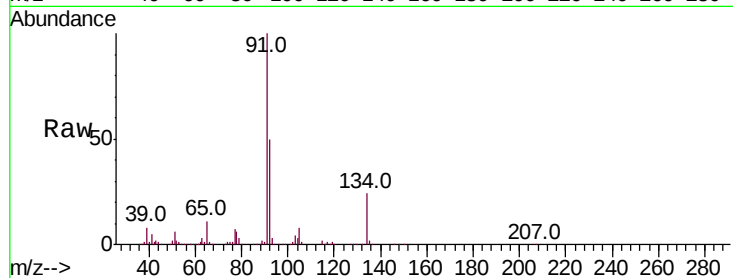
Tot Ion: 91 Resp: 322159

Ion Ratio Lower Upper

91 100

92 51.5 26.3 78.8

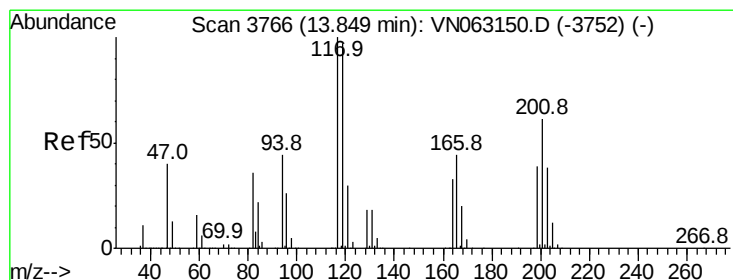
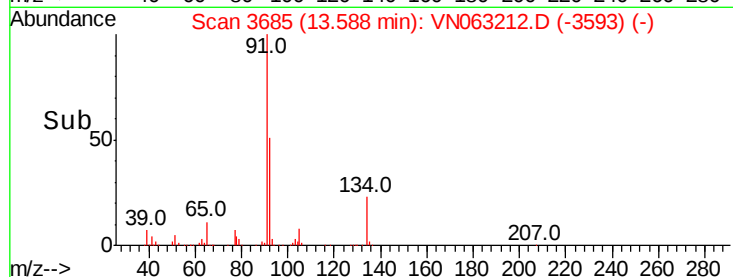
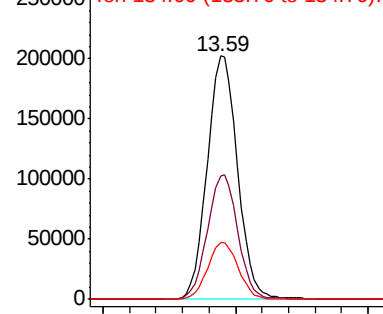
134 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN063150.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN063150.D (-3671) (-)



#90

Hexachloroethane

Concen: 16.932 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063212.D

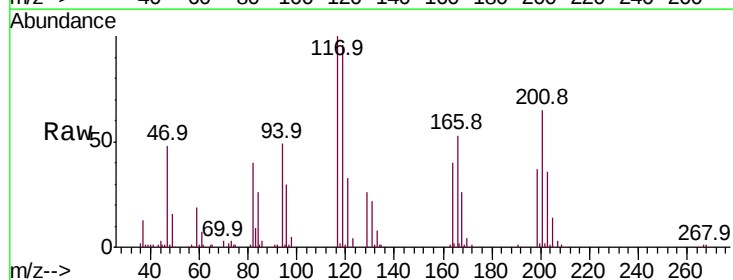
Acq: 3 Sep 2020 12:00

Tgt Ion: 117 Resp: 55681

Ion Ratio Lower Upper

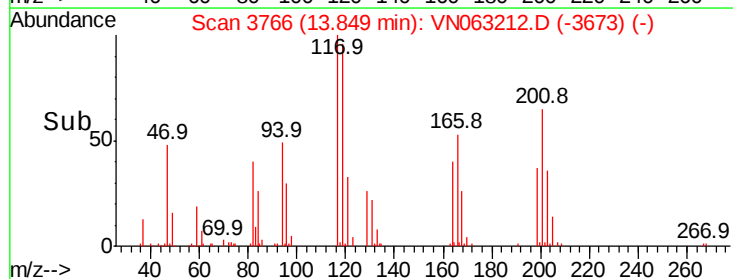
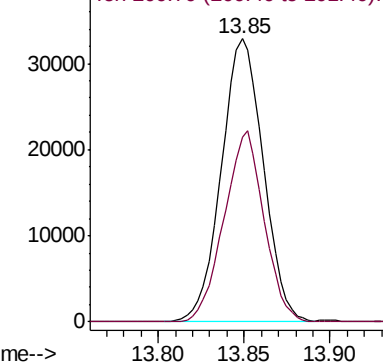
117 100

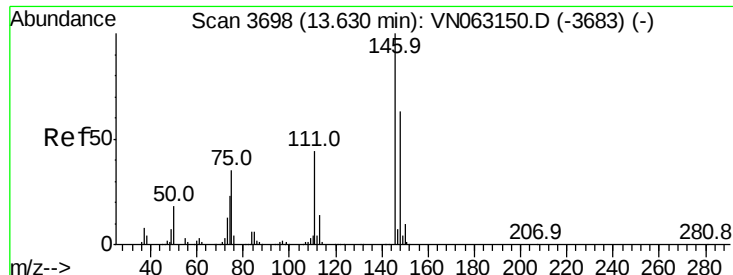
201 63.9 30.6 92.0



Abundance Ion 116.80 (116.50 to 117.50): VN063150.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN063150.D (-3752) (-)





#91

1,2-Dichlorobenzene

Concen: 20.109 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

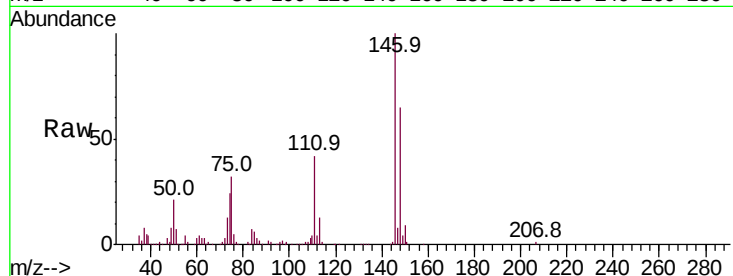
Tot Ion:146 Resp: 174363

Ion Ratio Lower Upper

146 100

111 44.1 22.0 66.0

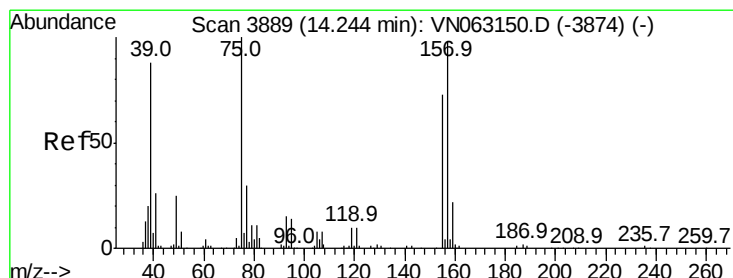
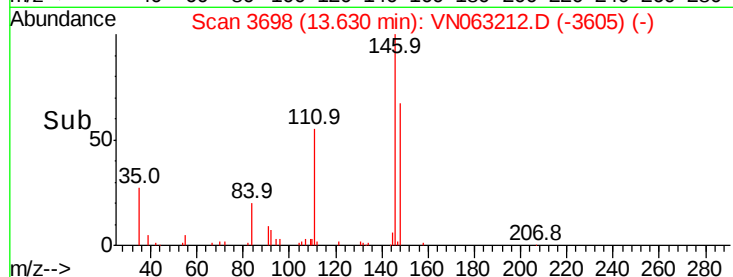
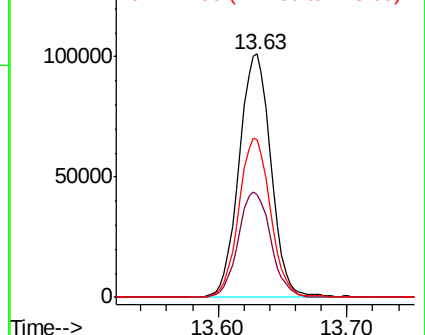
148 64.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.407 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

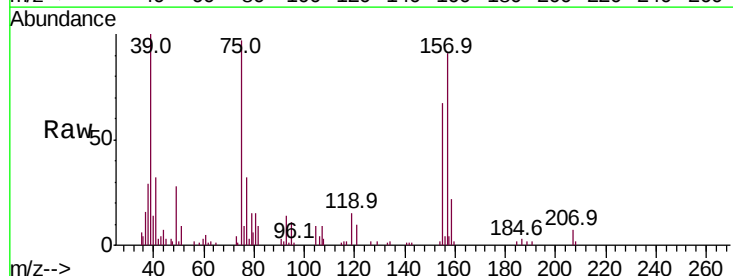
Tgt Ion: 75 Resp: 25092

Ion Ratio Lower Upper

75 100

155 69.3 36.1 108.5

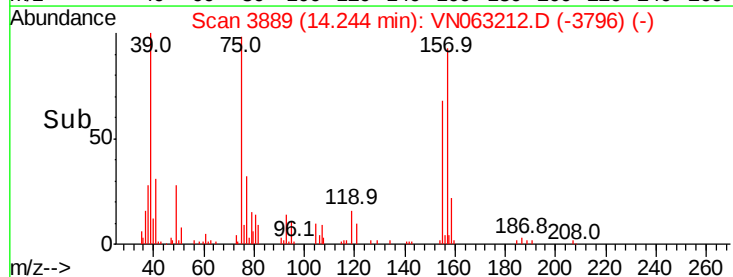
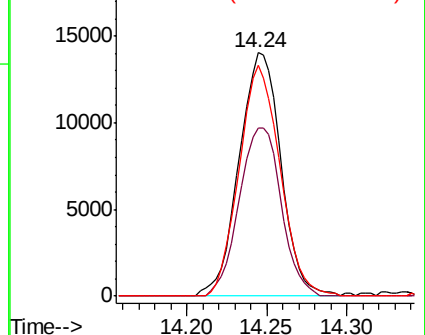
157 92.7 48.4 145.0

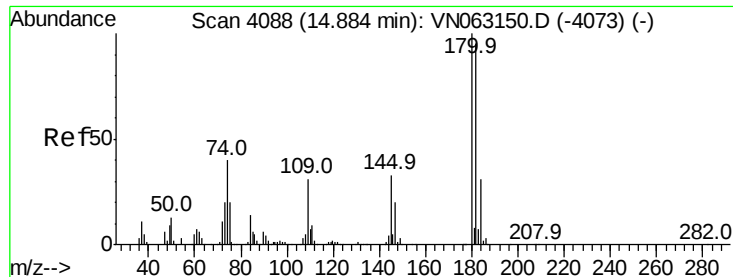


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

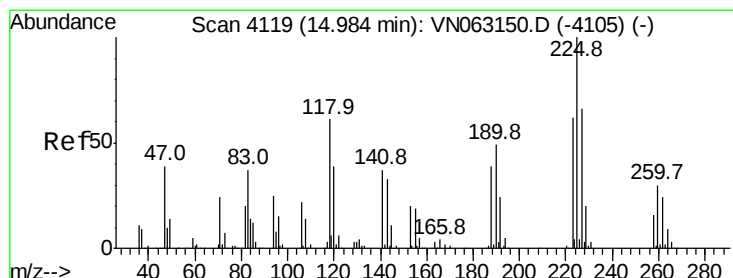
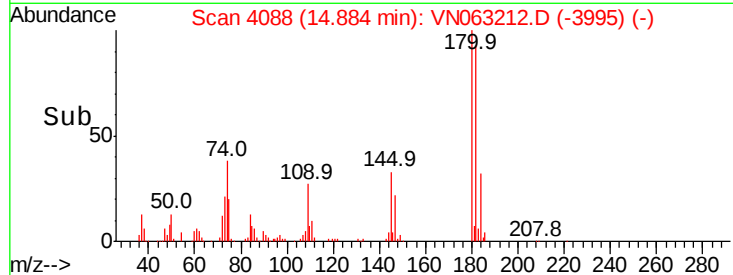
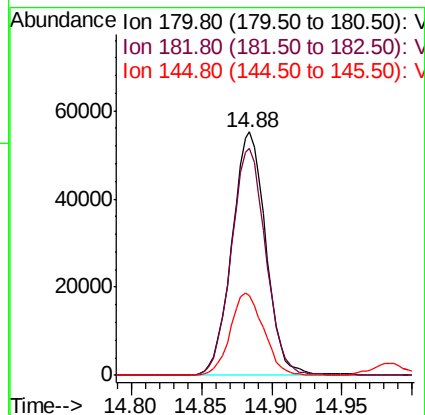
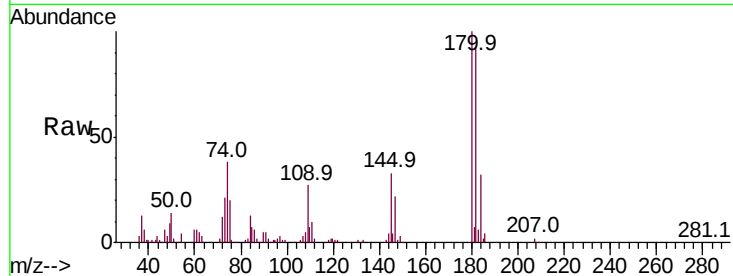




#93
 1,2,4-Trichlorobenzene
 Concen: 19.190 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

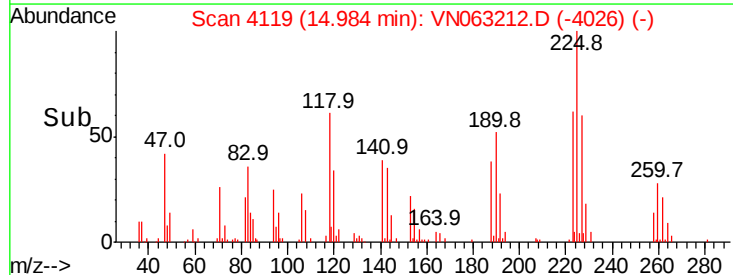
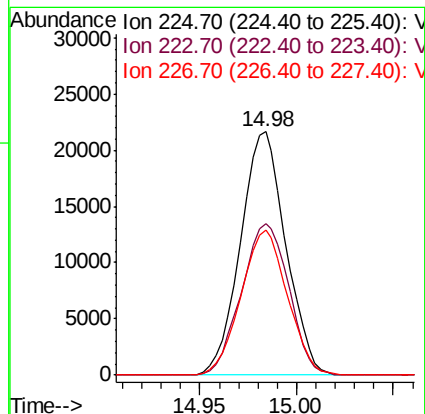
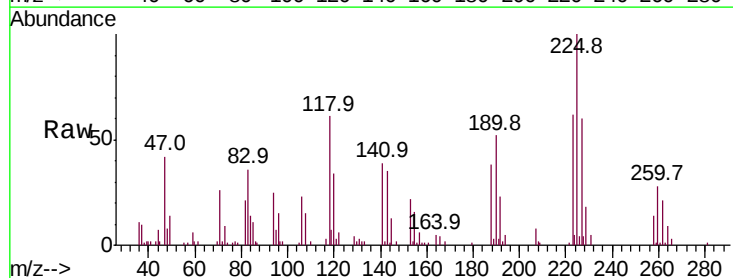
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

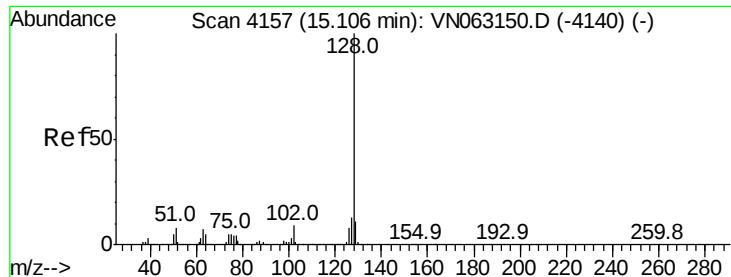
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	33.3	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: 19.484 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	30.9	92.7
227	61.0	32.9	98.7





#95

Naphthalene

Concen: 18.263 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

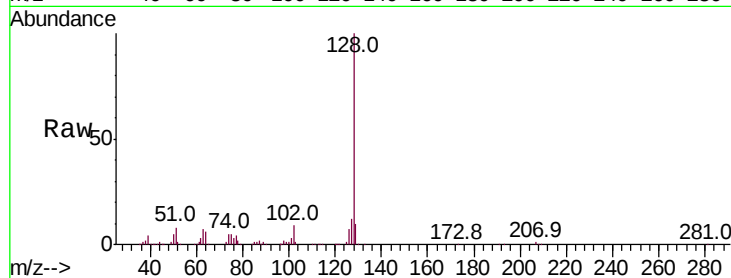
Tot Ion:128 Resp: 295171

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

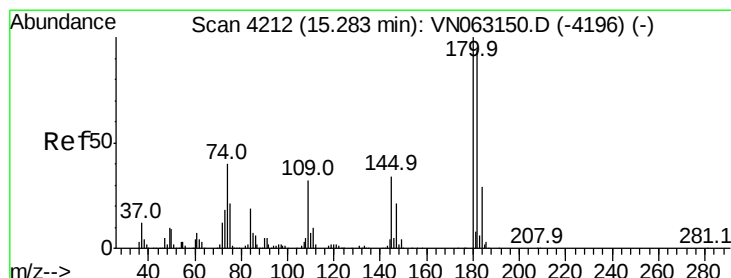
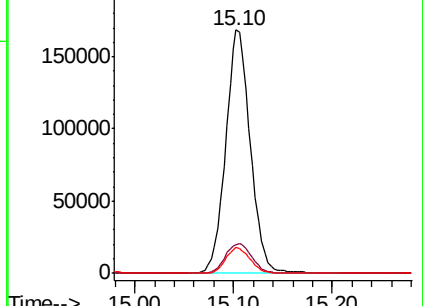
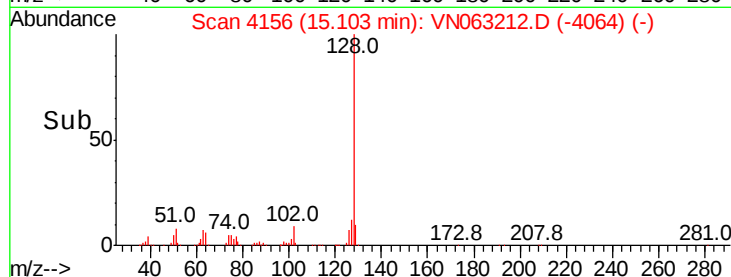
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.611 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

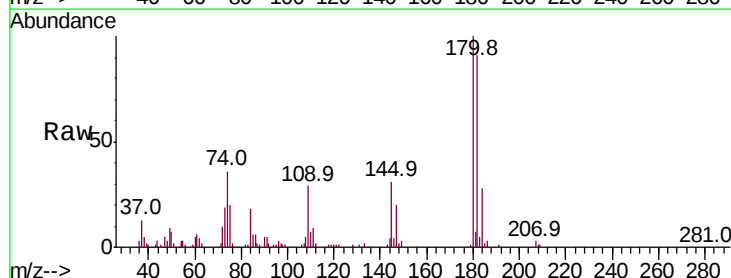
Tgt Ion:180 Resp: 92559

Ion Ratio Lower Upper

180 100

182 92.8 47.5 142.5

145 32.7 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

